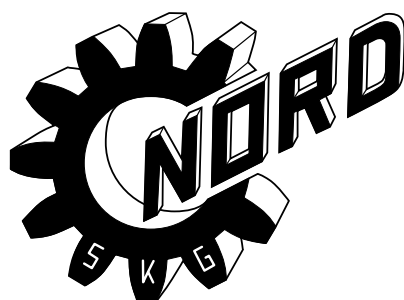
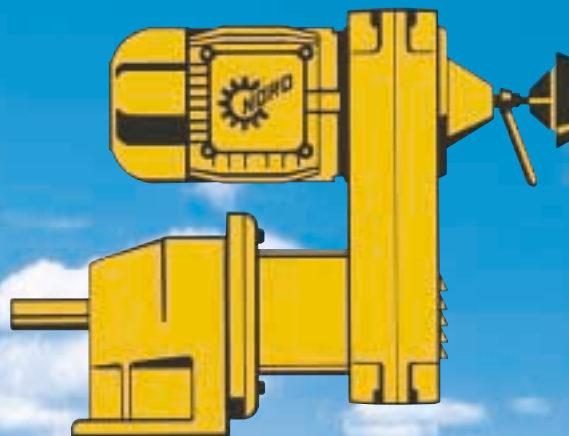
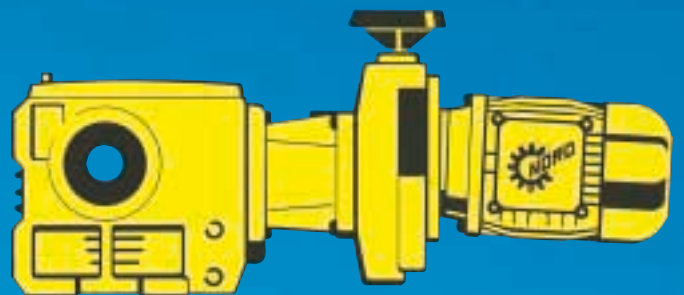
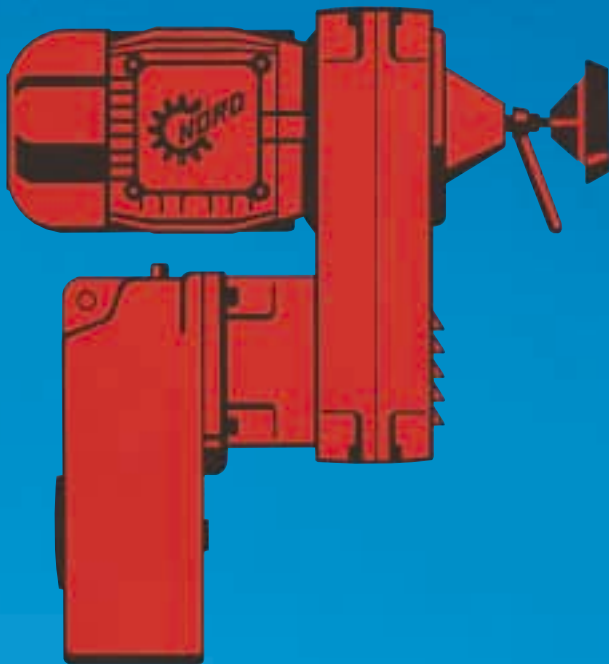


Variable Speeds

V4000/2001



Quality Certificates

Germanischer Lloyd
Certification GmbH



Annex 1 of 04.06.1999

Certificate No. QS-082 HH covers the following scope of certification:

Getriebebau NORD GmbH & Co. KG

Rudolf-Diesel-Straße 1, D-22941 Burgshausen

with the following locations:

- **Getriebebau NORD**
Schömlinger Straße 7, A-4061 Pöchlarn bei Linz
 - **NORD AANDRUMINGEN NED. B.V.**
Wijnham 12, NL-2181 HA Hillegom
 - **NORD Drivsystem AB**
Pottsgarten 277, S-194 02 Upplands Väsby
 - **NORD GEAR Corporation**
800 Nord Drive, Waukegan, U.S.A. WI 53097 0387
 - **NORD Gear Limited**
1, Blacklands Way, Abingdon Business Park, OX14 3AB, Oxford OX 14
 - **NORD Industrie Production snc**
18, Rue Gutenberg, F-88200 Viller Theriot
 - **Produktionstechnik NORD GmbH & Co. KG**
Rudolf-Diesel-Straße 5, D-22941 Burgshausen
 - **NORD Motoreductores, S.A.**
C/ta. Prats de Lluçanet Nave 7, E-08207 Sabadell
rellevant Tel:
- Engineering, Manufacturing and Sales of
Reducers, Geared Motors and additional components**



Dr. Weber
Dr. Weber

Germanischer Lloyd
Certification GmbH



CERTIFICATE

The Germanischer Lloyd Certification GmbH, 20469 Hamburg,
hereby certifies that the company

Getriebebau NORD GmbH & Co. KG

Rudolf-Diesel-Straße 1, D-22941 Burgshausen

with the locations listed in Annex 1

has established and maintains a Quality Management System relevant for

**Engineering, Manufacturing and Sales of
Reducers, Geared Motors and additional components**

Germanischer Lloyd Certification GmbH has audited the company. Evidence was provided
that the Quality Management System fulfills the requirements of the following standard:

DIN EN ISO 9001
edition: 06/1994

The validity of this certificate is subject to the company applying and maintaining its Quality
Management System in accordance with the standard indicated. This will be monitored by
Germanischer Lloyd Certification GmbH.

Validity extended until April 1E, 2002
Hamburg, June 04, 1999

Certificate No. **QS-082 HH**



Dr. Weber
Dr. Weber

Dr. Dröschel
Dr. Dröschel

This certificate is valid only in connection with Annex 1 of 04.06.1999

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Titan with In-Line Reducer

B 1

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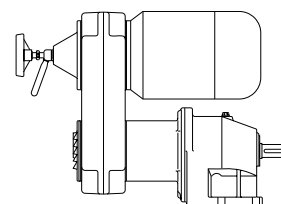
B 6

Dimensions U - Flow

B 32

Dimensions Z - Flow

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Titan with Shaft Mount Reducer

C 1

Nomenclature

C 1

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C 1

Selections

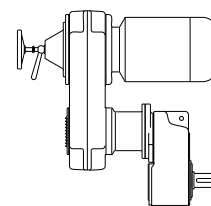
C 1

Dimensions U - Flow

C 1

Dimensions Z - Flow

C 1



Titan with Bevel Reducer

D 1

Nomenclature

D 2

Mounting Positions

D 4

Selections

D 6

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D 32

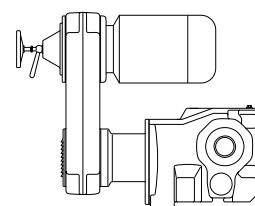
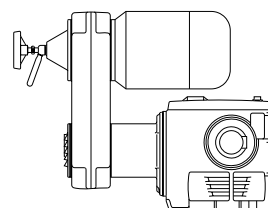


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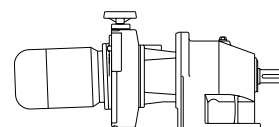
Nordisc Friction Drive Features

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Nordisc with In - Line Reducer

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Nordisc with Shaft Mount Reducer

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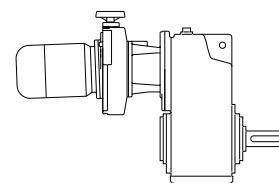


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Nordisc with Bevel Reducer

Nomenclature

Mounting Positions

Selections

Dimensions

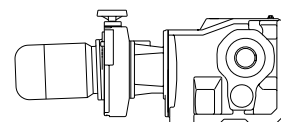
I 1

I 2

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Nordisc with Worm Reducer

Nomenclature

Mounting Positions

Selections

Dimensions

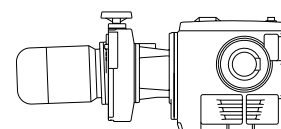
J 1

J 2

J 4

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Titan Parts List

Nordisc Parts List

K 2

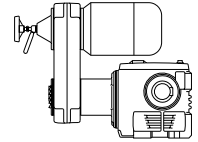
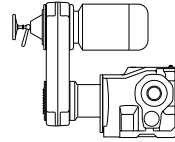
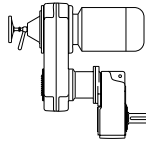
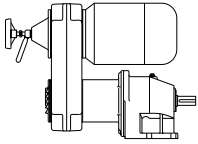
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Terms and Conditions of Sale

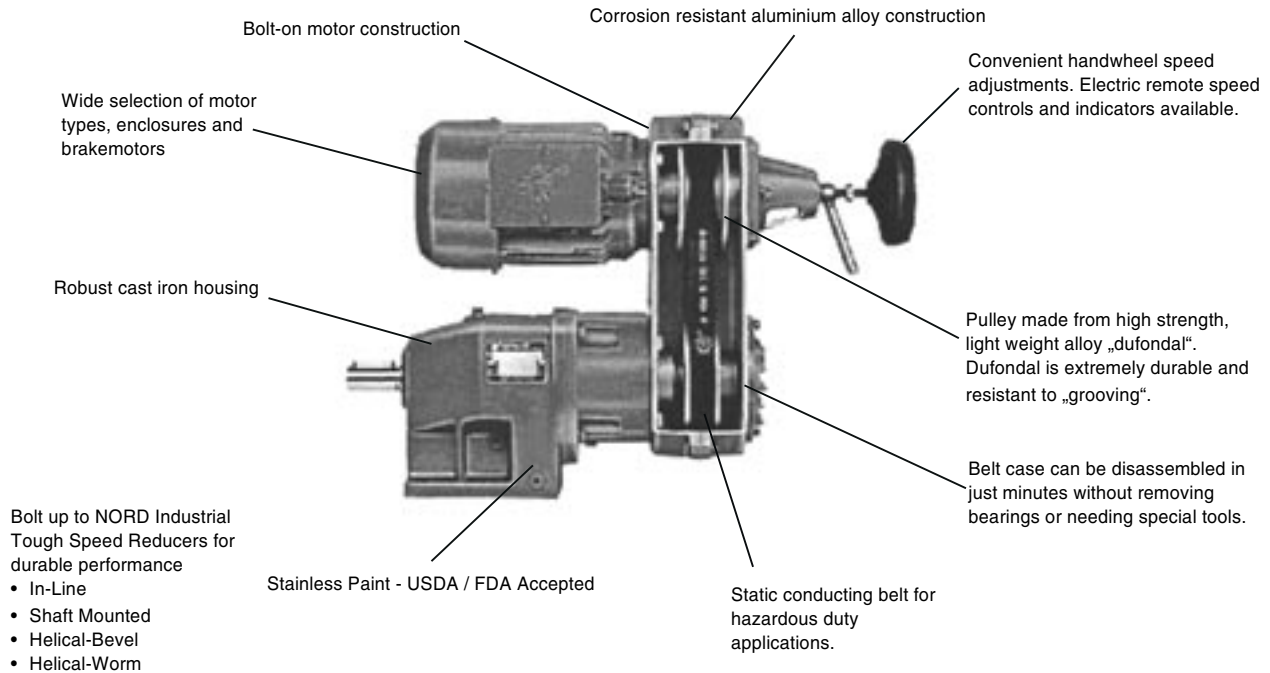
K 6

EXPLANATORY NOTES



TITAN™ ADJUSTABLE-SPEED DRIVES

- 275 % MOMENTARY OVERLOAD CAPACITY
- WIDE SELECTION OF SPEED REDUCERS AND MOUNTING CONFIGURATIONS



PERFORMANCE SPECIFICATIONS

- 1/4 to 150 HP
- up to 8:1 adjustable speed range
- Output torques to 177.000 lb-in
- U-flow or Z-flow configurations

BUILT TO LAST

Titan adjustable speed drives are designed to provide long, trouble-free performance in the most demanding adjustable-speed applications.

ASSURED SPEED ADJUSTMENTS

Pulley discs are machined from the light weight alloy, „dufondal“, to resist „grooving“ by the belt during extended constant speed operation. Sliding pulley discs ride on a specially formulated bushing system to keep speed adjustments smooth.

UNICASE™ SPEED REDUCER CONSTRUCTION EXTENDS SERVIC LIFE

Gearcases are SAE 30 grey cast iron with internal reinforcements for strength and rigidity. This unique design eliminates the oil leakage, oil contamination and gear set misalignment problems common to drives with bolt-on output covers or flanges.

LONG BEARING LIFE

Pulley assemblies are dynamically balanced to prevent excessive vibration to extend bearing and key life. Speed reducer bearings are rated for a minimum 5.000 hour B-10 life per AGMA Standard 2001.

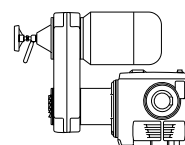
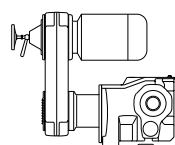
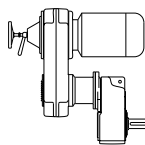
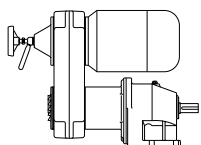
FAST AND EASY TO MAINTAIN

Nord engineers have designed Titan drives to be maintenance friendly. The split belt case can be disassembled in just minutes for fast belt, pulley and bearing inspection. Plus, the Titan's C-Face motor can be quickly replaced by simply removing four bolts ... not by time-consuming disassembly of the entire motor.

APPLICATION MATCHED

Titan adjustable speed drives are available with a wide variety of options including: severe duty protection for wash down or outdoor duty, electric remote speed controls and indicators, a wide selection of motors, speed reducer and more.

EXPLANATORY NOTES



General

When operating conditions dictate variable output speeds, the NORD Titan Beltbox will supply infinite speed variations over a fixed speed range. Sizes up to 150 Hp are available with any NORD heavy duty Industrial Tough gearbox. Gearboxes with In-Line, Shaft Mount, Bevel and Worm construction are available with any of our easily customized options to solve your application problems. For customized Gearbox options consult our Master Catalog.

NORD's Adjustable Speed Drive includes motor, beltbox and gearbox packaged in a compact arrangement completely assembled and ready to go from the factory. We offer 11 beltbox case sizes with matching motor and gearbox capability. The advantages of Titan Drives include

- Easy to install
- Output torque multiplication
- Speed reduction from motor rpm
- Infinitely adjustable speed range
- Adaptable to many environmental conditions
- Durable wear resistant pulleys
- Easy belt replacement
- Handles shock loads
- Affordable cost

How does it work?

The motor runs at constant speed (nameplate rpm). Attached to the motor output shaft is an adjusting pulley. When the handwheel is rotated, this pulley changes the belt operating pitch diameter. In turn the driven pulley adjusts it's operating pitch diameter always keeping the belt center distance fixed. Then power progresses through the gearbox for added speed reduction and torque multiplication. At maximum beltbox output rpm a speed increasing-torque decreasing pulley adjustment is delivered. When minimum beltbox output rpm is set by the handwheel, a speed reduction pulley combination increases the output torque. Net result is typically a 5:1 speed turndown range and a 5:1 torque increase. Drives can be configured to either a U-flow (standard) or Z-flow arrangement depending upon application needs.

Beltbox Ratings

Size	TEFC version max. motor HP	TENV version max. motor HP	max. adjustment ratio	max. TORQUE @ min. RPM (lb-in)	min. TORQUE @ max. RPM (lb-in)
R 100	2	1.5	5.0	164 / 766	33 / 3830
R 150	3	2	6.5	369 / 684	58 / 4385
R 196	5	3	8.0	506 / 622	63 / 4978
R 210	10	7.5	7.5	965 / 653	129 / 4892
R 250	15	10	7.5	1448 / 653	193 / 4892
R 280	20	15	8.5	2046 / 616	241 / 5224
R 300	30	20	7.2	2816 / 672	392 / 4830
R 350	40	30	7.4	3789 / 665	512 / 4929
R 375	60	40	5.3	5902 / 641	1112 / 3401
R 400	75	50	5.0	7449 / 635	1490 / 3173
R 500	150	100	4.0	15047 / 614	3852 / 2454

Speed Adjustment

The speed is adjusted by loosening the lock nut handle and rotating the handwheel.

This adjustment should only be performed when the motor is rotating or damage to the belt and attached equipment may occur.

Speed range is preset by the factory and any speed adjustment within the range is acceptable. Further adjustment of the speed stops may cause damage.

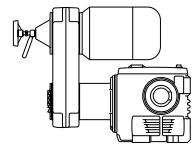
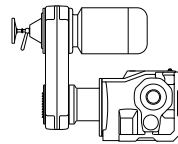
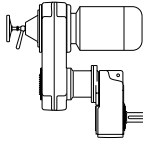
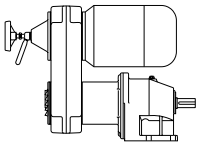
Motor current draw

Selection pages show 460 Volt values. For 230 Volt motors multiply by 2. For 575 Volt multiply by 0.8.

Note that these are approximate current draw values.

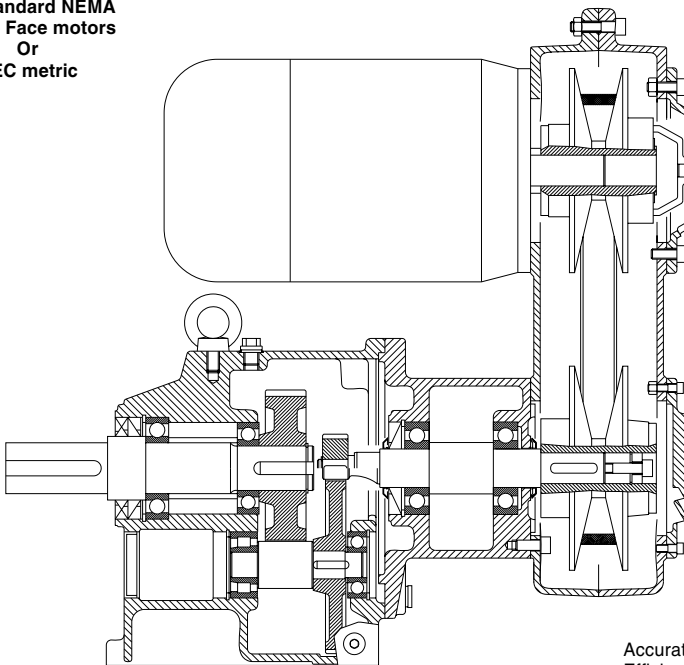
For exact information, see motor nameplate.

EXPLANATORY NOTES



U - FLOW

Standard NEMA
C - Face motors
Or
IEC metric



Pulley Material: High Wear
Resistant Alloy: "Durfondal"

Easy Removal
Of Pulleys

Easy Removal
Of Beltcase Cover

Simple Removal
Of Belt / Pulleys

Very Low Inertia Pulleys,
Dynamically Balanced

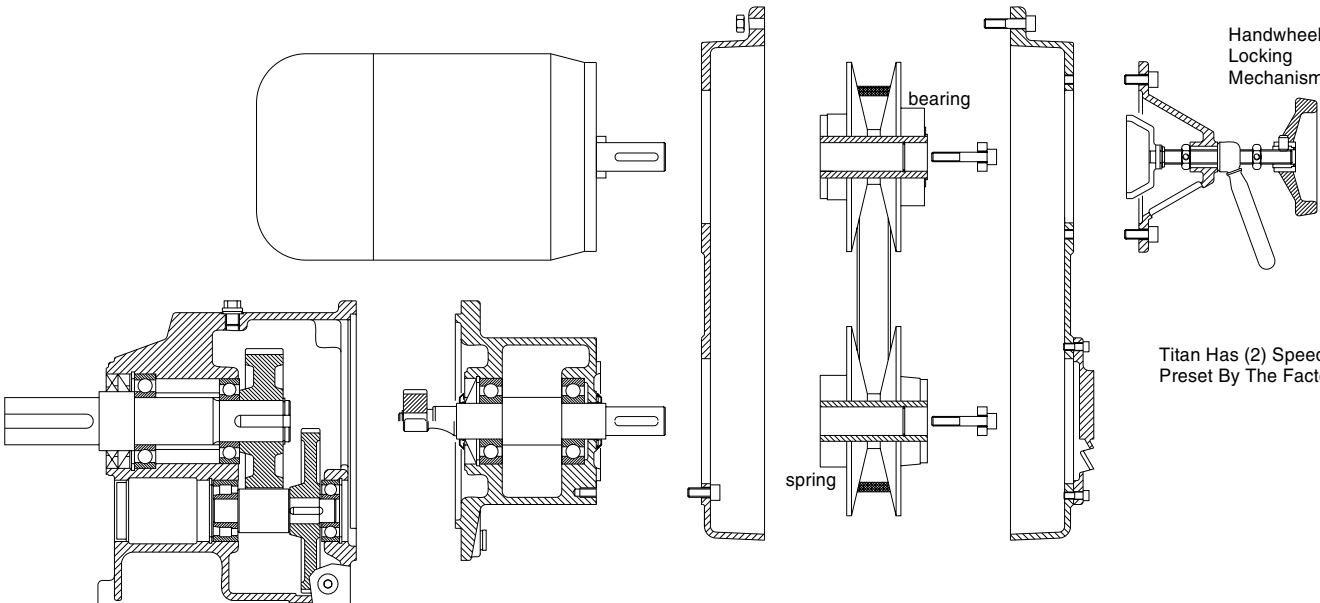
Pulleys - Beltcase
Suitable For Washdown
Outdoor Duty

- * Simple Belt Exchange
- * Easy To Inspect
- * Little Maintenance

Static Conducting V - Belts
For Explosion Proof
Environments

Accurate Cut Belts - Pressure Molded Cogs With High
Efficiency For Low & High Speed Setting, Operating At
Small Diameters With Minimum Noise Levels

Pulleys Mounted On Motor Shaft And Cast Iron
Input Housing Secured By Washer And Bolt



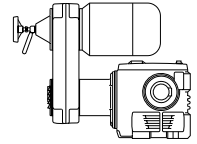
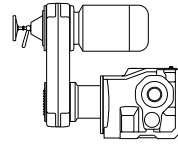
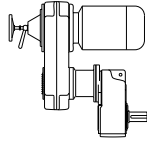
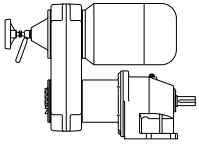
Titan Has (2) Speed Stops
Preset By The Factory

Gear Reducer Can Be:

- * Unibase - Inline Helical
- * Unibase - Clincher Helical
- * Unibase - Helical Worm
- * Unibase - Helical - Bevel

- * No Bearings Mounted
In Housing
- * Corrodutty Alloy

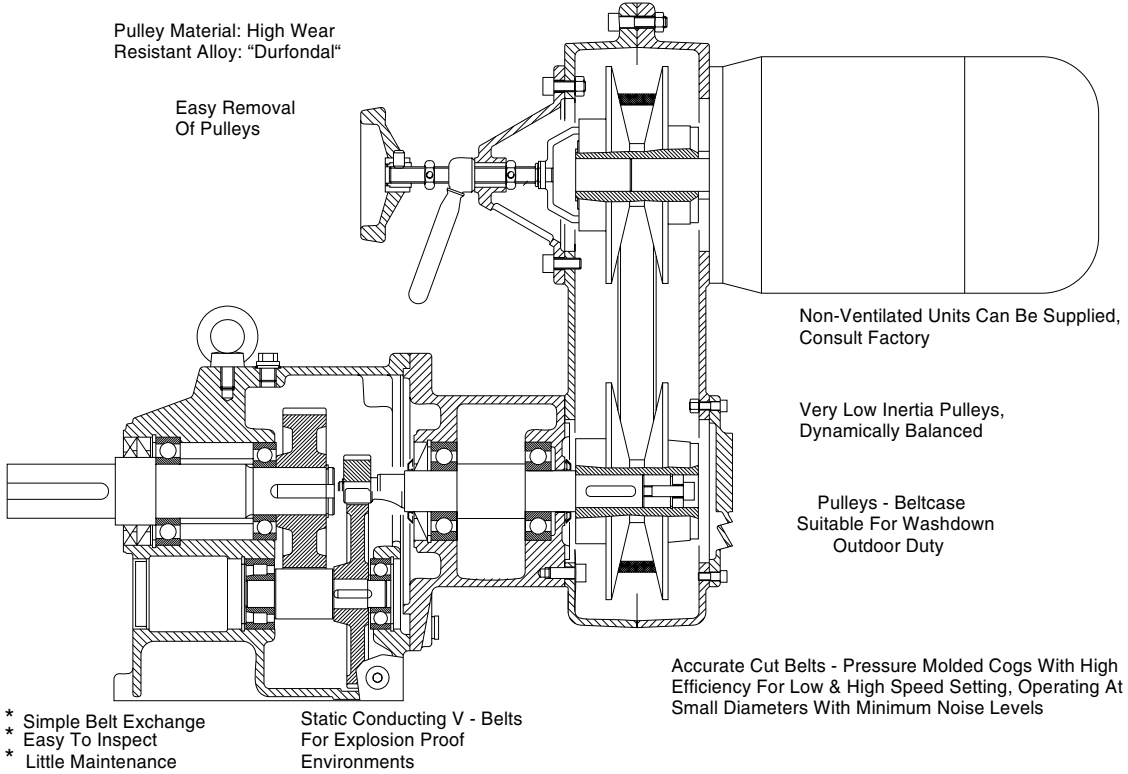
EXPLANATORY NOTES



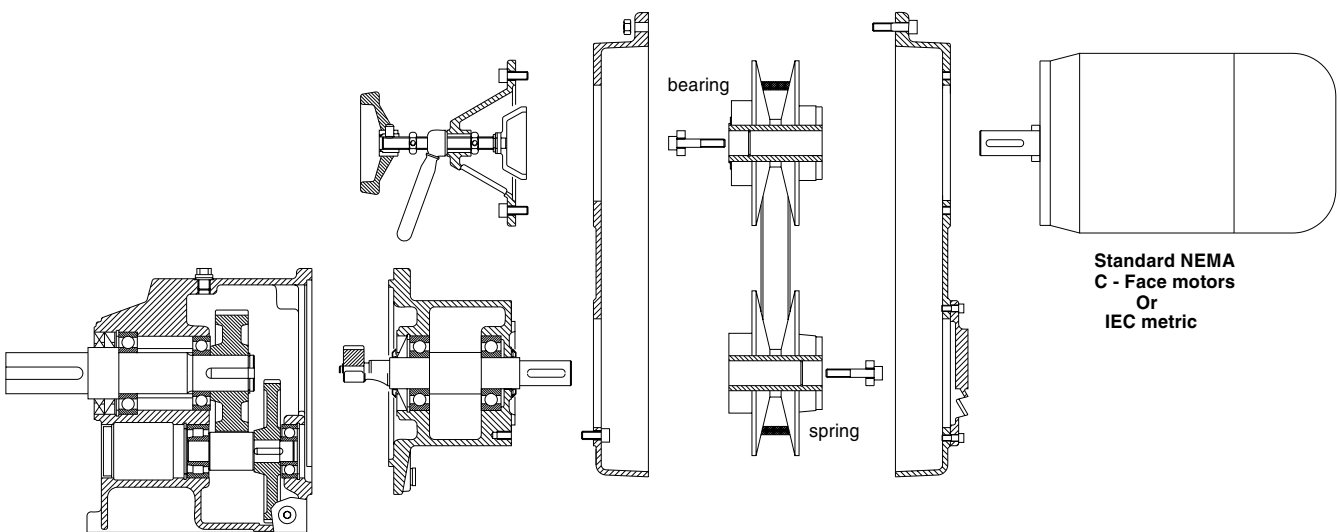
Z - FLOW

Pulley Material: High Wear Resistant Alloy: "Durfondal"

Easy Removal Of Pulleys



Pulleys Mounted On Motor Shaft And Cast Iron Input Housing Secured By Washer And Bolt

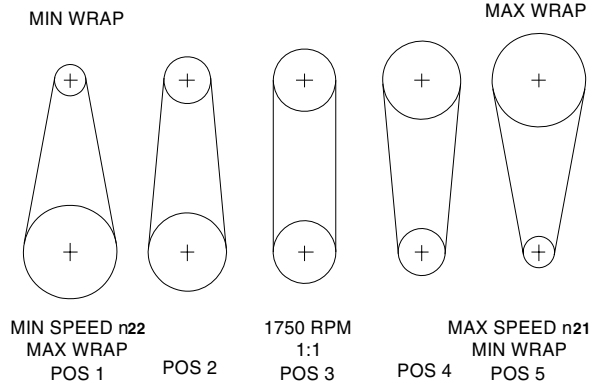
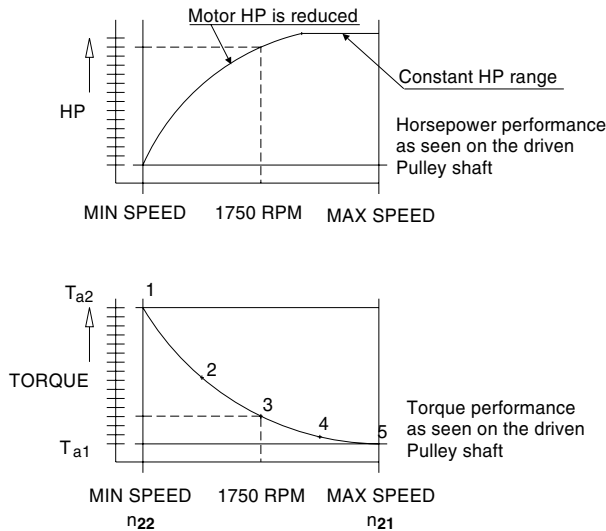


Gear Reducer Can Be:

- * Unibase - Inline Helical
- * Unibase - Clincher Helical
- * Unibase - Helical Worm
- * Unibase - Helical - Bevel

- * No Bearings Mounted In Housing
- * Corrodut Alloy

EXPLANATORY NOTES



A belt drive is an excellent mechanical adjustable speed device for a variety of tough applications. However it must be properly applied. A belt drive is not a constant torque or a constant horsepower device. It is a combination of both. Although a belt drive is a torque multiplier, there are limitations on the amount of torque it can transfer from the driving pulley to the driven pulley. The torque development is limited by the amount of belt wrap around the pulley surfaces.

Belt wrap on pulleys

In the five positions illustrated above, the belt wrap on each pulley varies from minimum to maximum. The torque between a set of pulleys is multiplied by reducing the wrap diameter on the driving pulley and increasing it on the driven pulley. There is, however, a limitation on the maximum torque a set of pulleys can transfer, determined by the amount of wrap around the pulley surfaces. Demand for torque above the maximum torque rating at a given speed setting will result in belt and possibly pulley wear. This wear and tear on the pulleys and belt is caused by excessive belt slippage. It is therefore important to keep the belt wrap as large as possible by operating close to 1:1 pulley setting and keeping the speed range adjustment to a minimum. As long as the load torque is within the rating of the belt and pulley, the durability of the belt will be acceptable. It is also advantageous to use a gear reducer in front of a drive belt. The gear reducer acts as a torque multiplier and unloads the pulley / belt system, allowing the gear reducer to do the work.

Torque at the gearbox output shaft

Torque from the motor is multiplied by the pulley / belt system. The torque-speed curve shows the typical change in torque a belt drive can develop at various speed settings. This torque is multiplied by the gearbox ratio and is the torque available to perform the task required of the application.

Constant torque applications

Many applications such as conveyor, positive displacement pumps and lifts have load torque that does not change over the adjusted speed range. The load torque is constant despite the speed changes. In these applications sizing of the belt drive is usually performed by matching the load torque to the maximum speed n₂₁ and torque capability T_{a1}.

Variable torque applications

Some applications such as fans, centrifugal pumps and variable density mixers have increasing torque loads with corresponding increases in speed and result in increasing load horsepower. These drives should be selected based on the maximum speed n₂₁ and its corresponding torque capability T_{a1}.

Constant horsepower applications

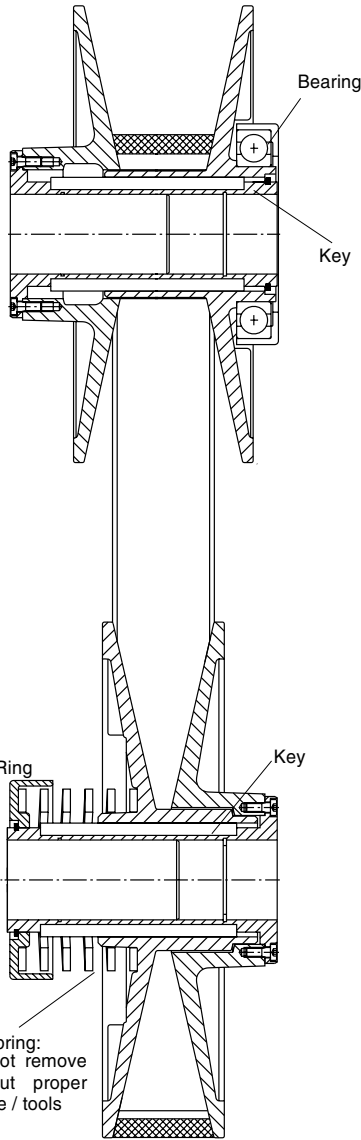
When the torque load varies inversely with the speed in web tensioning, metal rolling, machine tools or similar applications the load horsepower is constant. These are sized to match the low speed load torque and the high speed load torque with T_{a1} and T_{a2} respectively. Care must be taken to ensure the proper gearbox service factor is maintained throughout the speed range.

EXPLANATORY NOTES



TITAN™ PULLEYS

U - FLOW



Adjusting Pulley (Driver)
Bearing is always mounted next to adjuster.

The pulleys are made of a very durable alloy - „Durfondal“, a corroduty type of material. This pulley material has a high wear resistant properties, which reduces grooving to a minimum under rated conditions. These pulleys are suitable for washdown and outdoor operation.

The pulleys are virtually **maintenance free**. They require no disassembly for periodic lubrication. All sliding components are coated against fretting and corrosion, eliminating the nuisance of seizing up.

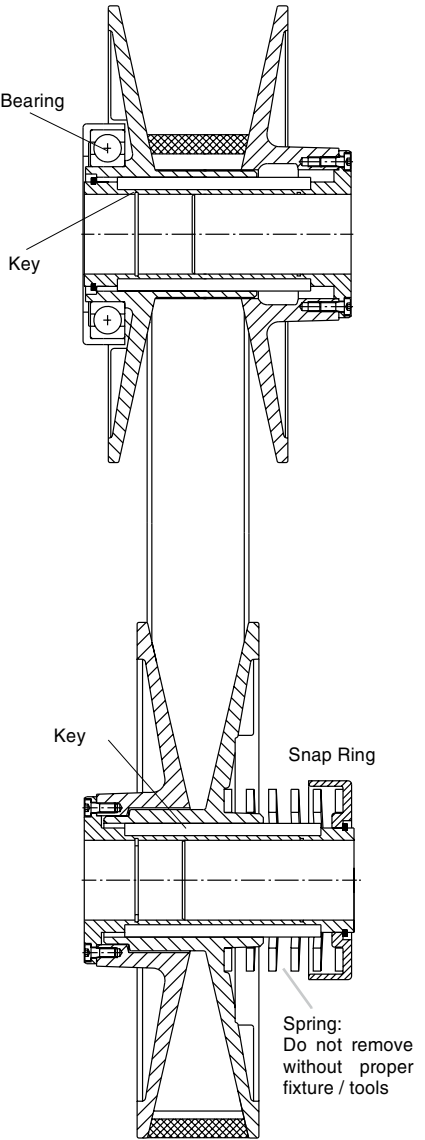
The key and keyways are **maintenance free**. The key, which is often subject to notching, is made of a very tough polymer. The generous long key with its long bearing surfaces stands up extremely well against notching action from shock loads or frequent starts / stops.

All these excellent features guarantee a **maintenance free** operation.

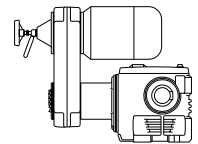
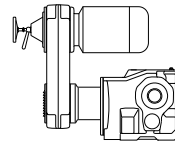
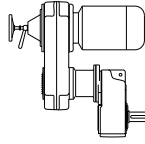
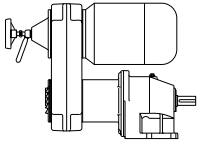
Combine this with a high strength, high efficiency belt and the Titan™ will be suitable for most applications.

Spring Pulley (Driven)
Spring is always mounted on the side opposite to the adjusting handwheel.

Z - FLOW



EXPLANATORY NOTES



AGMA GEARMOTOR LOAD CLASSIFICATIONS

The AGMA rated parallel (helical) gearmotors in the catalog are grouped by Service Classes I, II or III.

Class I : (Minimum 0.8 Service Factor)

A gearmotor can operate with steady loads not exceeding the normal rating and 8 - 10 hours of running time per day.

Class II : (Minimum 1.4 Service Factor)

a) A gearmotor can operate with steady loads not exceeding the normal rating and 24 hours of running time per day.

or

b) A gearmotor can operate with moderate shock loads not exceeding 1.25 x rated load torque and 8 - 10 hours of running time per day.

Class III : (Minimum 2.0 Service Factor)

a) A gearmotor can operate with moderate shock loads which are a maximum 1.25 x rated load torque and 24 hours of running time per day.

b) A gearmotor can operate with heavy shock loads in excess 1.25 x rated load torque and 8 - 10 hours of running time per day.

The Nord Gear units in the catalog grouped by AGMA service classes are applied per AGMA service factor listings as shown by 6010 - E88 and 6034 - A87.

The high-speed gearing is finish ground to reduce noise levels to a minimum. The low-speed gears are skived per the latest finishing technology. In many cases the quality levels of the gearing exceeds AGMA quality levels 11-13.

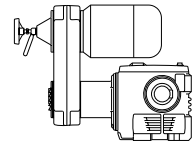
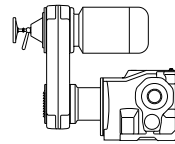
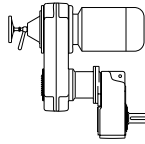
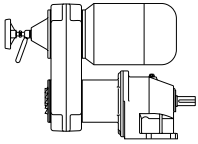
AGMA GEAR REDUCER LOAD CLASSIFICATIONS

This chart is a guideline for the types of loads applied to the following:

Parallel (helical) reducers
Helical-Worm gearmotors and reducers
Helical-Bevel gearmotors and reducers

SERVICE IN HOURS / DAY	LOAD CLASSIFICATION OF THE MACHINERY DESIGN			WHEN FREQUENT STOPS / STARTS ARE APPLIED IN EXCESS OF 10 / HOUR		
	UNIFORM	MODERATE SHOCK	HEAVY SHOCK	UNIFORM	MODERATE SHOCK	HEAVY SHOCK
1/2 hours or less	0.8	0.8	1.0	0.8	1.0	1.25
2 hours intermittently	1.0	1.0	1.25	1.0	1.25	1.5
10 hours	1.0	1.25	1.5	1.25	1.5	1.75
24 hours	1.25	1.5	1.75	1.5	1.75	2.0

AGMA GEAR MOTOR LOAD CLASSIFICATION

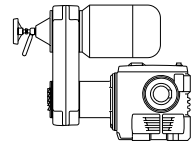
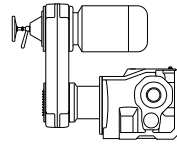
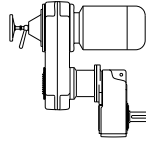
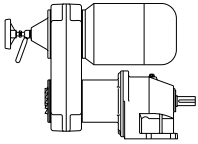


APPLICATION	CLASS OF SERVICE		APPLICATION	CLASS OF SERVICE		APPLICATION	CLASS OF SERVICE	
	3-10 HRS/DAY	10-24 HRS/DAY		3-10 HRS/DAY	10-24 HRS/DAY		3-10 HRS/DAY	10-24 HRS/DAY
AGITATORS			Bucket	II	II	Cereal Cooker	I	II
Pure Liquids	I	II	Chain	II	II	Dough Mixer	II	II
Liquids & Solids	II	II	Flight	II	II	Meat Grinders	II	II
Liquids —			Live Roll (package)	I	II	GENERATORS —		
Variable Density	II	II	Oven	II	II	(Not Welding)	I	II
Semi-Liquids —			Reciprocating	III	III*	HAMMER MILLS	III	III*
Variable Density	II	II*	Screw	II	II	LAUNDRY WASHERS		
BLOWERS			Shaker	III	III*	Reversing	II	II
Centrifugal	I	II	CRANES & HOISTS			LAUNDRY TUMBLERS	II	II
Lobe	II	II	Main Hoists			LINE SHAFTS		
Vane	I	II	Heavy Duty	III	III*	Heavy Shock Load	III	III*
BREWING & DISTILLING			Medium Duty	II	II	Moderate Shock Load	II	II
Bottling Machinery	I	II	Reversing	II	II	Uniform Load	I	II
Brew Kettles —			Skip Hoists	II	II	LUMBER INDUSTRY		
Continuous Duty	—	II	Trolley Drive	II	II*	Barkers —		
Cookers —			Bridge Drive	II	II*	Spindle Feed	II	III
Continuous Duty	—	II	CRUSHERS			Barkers-Main Drive	III	III*
Mash Tubs			Ore	III	III*	Carriage Drive	*	*
Continuous Duty	—	II	Stone	III	III*	Conveyors-Burner	II	III
Scale Hopper			DREDGES			Conveyors-Main or		
Frequent starts	II	II	Cable Reels	II	—	Heavy Duty	II	III
CAN FILLING MACHINES	I	II	Conveyors	II	II	Conveyors-Main Log	III	III*
CANE KNIVES	II	II	Cutter Head Drives	III	III*	Conveyors —		III
CAR DUMPERS	III	—	Jig Drives	III	III*	Merry-go-Round	II	III*
CAR PULLERS —			Maneuvering Winches	II	—	Conveyors-Slab	III	III*
Intermittent duty	I	—	Pumps	II	II	Conveyors-Transfer	II	III
CLARIFIERS	I	II	Screen Drive	III	III*	Conveyors-Waste	II	II
CLASSIFIERS	II	II	Stackers	II	II	Chains-Floor	II	III
CLAY WORKING			Utility Winches	II	—	Chains-Green	II	III
MACHINERY			ELEVATORS			Cut-Off Saws-Chain	II	III
Brick Press	III	III*	Bucket-Uniform Load	I	II	Cut-Off Saws-Drag	II	III
Briquette Machine	III	III*	Bucket-Heavy Load	II	II	Debarking Drums	III	III*
Clay working	II	II	Bucket-Continuous	I	II	Feeds-Edger	II	III
machinery	II	II	Centrifugal Discharge	I	II	Feeds-Gang	III	III*
Pug Mill			Escalators	I	II	Feed-Trimmer	II	III
COMPRESSORS	I	II	Freight	II	II	Log Deck	III	III*
Centrifugal	II	II	Gravity Discharge	I	II	Log Hauls-Well Type	III	III*
Lobe			Man Lifts	*	*	Log Turning Devices	III	III*
Reciprocating	II	II*	Passengers	*	*	Planer Feed	II	III
Multi-cylinder	III	III*	Service-Hand Lift	III	—	Planer Tilting Hoist	II	III
Single Cylinder			FANS			Rolls-Live-Off		
CONVEYORS—			Centrifugal	II	II	Brg.-Roll Cases	III	III*
UNIFORMLY LOADED			Cooling Towers			Sorting Table	II	III
OR FED	I	II	Induced Draft	II	II	Tipple Hoist	II	III
Apron	I	II	Forced Draft	*	*	Transfers-Chain	II	III
Assembly	I	II	Induced Draft	II	II	Transfers-Craneway	II	III
Belt	I	II	Large (Mine, etc.)	II	II*	Tray Drives	II	III
Bucket	I	II	Large Industrial	II	II*	Veneer Lathe Drives	*	*
Chain	I	II	Light (Small Diameter)	I	II	MACHINE TOOLS		
Flight	I	II	FEEDERS			Bending Roll	II	II
Oven	I	II	Apron	II	II	Notching Press —		
Screw			Belt	II	II	Belt Driven	*	*
CONVEYORS—			Disc	I	II	Plate Planer	III	III*
HEAVY DUTY NOT			Reciprocating	III	III*	Punch Press —		
UNIFORMLY FED	II	II	Screw	II	II	Gear Driven	III	III
Apron	II	II	FOOD INDUSTRY			Tapping Machines	III	III*
Assembly	II	II	Beet Slicer	II	II			
Belt								

* Refer to factory

Applications requiring frequent stops and starts, high inertia loads or oversized brakes or clutches (exceeding motor full load torque) should be referred to NORD GEAR for review.

AGMA GEAR MOTOR LOAD CLASSIFICATION

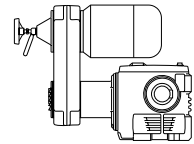
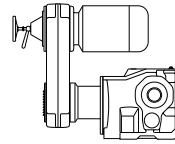
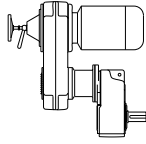
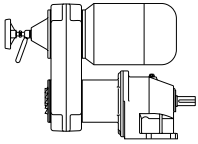


APPLICATION	CLASS OF SERVICE		APPLICATION	CLASS OF SERVICE		APPLICATION	CLASS OF SERVICE	
	3-10 HRS/DAY	10-24 HRS/DAY		3-10 HRS/DAY	10-24 HRS/DAY		3-10 HRS/DAY	10-24 HRS/DAY
Other Machine Tools			Conveyors	—	II	Vacuum Filters	II	II
Main Drives	II	II	Conveyors, Log	—	III*	SCREEN		
Auxiliary Drives	I	II	Couch	—	II*	Air Washing	I	II
METAL MILLS			Cutters, Platers	—	III*	Rotary —		
Bridle Roll Drives	III	III*	Cylinders	—	II	Stone or Gravel	II	II
Draw Bench-Carriage	III	III*	Dryers	—	II*	Traveling Water		
Draw Bench —			Felt Stretcher	—	II	Intake	I	II
Main Drive	III	III*	Felt Whipper	—	III*	SLAB PUSHERS	II	II
Forming Machines	III	III*	Jordans	—	II	STEERING GEAR	II	II
Pinch Dryer &			Presses	—	II*	STOKERS	I	II
Scrubber Rolls,			Pulp Machines, Reel	—	II	TEXTILE INDUSTRY		
Reversing	*	*	Stock Chests	—	II	Batchers	II	II
Slitters	II	II	Suction Roll	—	II*	Calenders	II	II
Table Conveyors			Washer & Thickeners	—	II*	Card Machines	II	II*
Non-Reversing	II	III	Winders	—	II	Cloth Finishing		
Reversing	—	III	PRINTING PRESSES	I	II	Machines,		
Winding Reels-Strip	—	III	PULLERS			(Washer, pads,		
Wire Drawing &			Barge Haul	III	III*	tenters)		
Flattening Machine	II	III	PUMPS			(Dryers, Calenders,		
Wire Winding			Centrifugal	I	II	etc.)	II	II
Machine	II	II	Proportioning	II	II*	Dry Cans	II	II
MILLS, ROTARY TYPE			Reciprocating			Dryers	II	II
Ball	III	III*	Single Acting 3 or			Dyeing Machinery	II	II
Cement Kilns	*	*	More Cylinders	II	II	Knitting Machines		
Dryers & Coolers	II	II	Double Acting 2 or			(looms, etc.)	*	*
Kilns	II	II	More Cylinders	II	II	Looms	II	II
Pebble	III	III*	Single Acting 1 or			Mangles	II	II
Rod	III	III*	2 Cylinders	*	*	Nappers	II	II
Tumbling Barrels	III	III*	Double Acting			Pads	II	II
MIXER			Single Acting	*	*	Range Drives	*	*
Concrete Mixers,			Rotary — Gear Type	I	II	Slashers	II	II
Continuous	II	II	— Lobe, Vane	I	II	Soapers	II	II
Concrete Mixers,			RUBBER INDUSTRY			Spinners	II	II
Intermittent	I	—	Mixer	III	III*	Tenter Frames	II	II
Constant Density	I	II	Rubber Calender	II	II*	Washer	II	II
Variable Density	II	II	Rubber Mill			Winders (other than	II	II
OIL INDUSTRY			(2 or more)	II	II*	(Batchers)		
Chillers	II	II	Sheeter	II	II*	Yarn Preparatory		
Oil Well Pumping	*	*	Tire Building Machines	*	*	Machines (Cards,		
Paraffin Filter Press	II	II	Tire & Tube			Spinners, Slashers,		
			Press Openers	*	*	etc.)	II	II
Rotary Kilns	*	*	Tubers & Strainers	II	II	WINDLASS	II	II*
PAPER MILLS			SEWAGE DISPOSAL					
Aerators	II	II	EQUIPMENT					
Agitators (Mixers)			Aerators	*	*			
Barker Auxiliaries,	—	III	Bar Screens	I	II			
Hydraulic	—	III	Chemical Feeders	I	II			
Barker, Mechanical	—	III*	Collectors, Circuline					
Barking Drum	—	II*	or Straightline	I	II			
Beater & Pulper	—	II	Dewatering Screens	II	II			
Bleacher	—	II*	Grit Collectors	I	II			
Calenders	—	II	Scum Breakers	II	II			
Calenders-Super			Slow or Rapid Mixers	II	II			
Converting Machines,			Sludge Collectors	I	II			
except Cutters,	—	II	Thickeners	II	II			
Platters								

* Refer to factory

Applications requiring frequent stops and starts, high inertia loads or oversized brakes or clutches (exceeding motor full load torque) should be referred to NORD GEAR for review.

AGMA GEAR REDUCER LOAD CLASSIFICATION



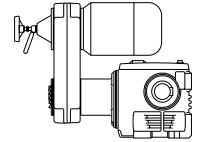
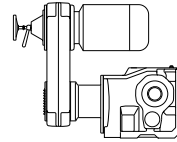
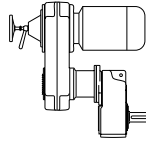
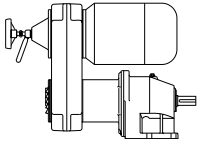
APPLICATION	SERVICE FACTOR		APPLICATION	SERVICE FACTOR		APPLICATION	SERVICE FACTOR	
	8 to 10 hour Service	24 hours Service		8 to 10 hours service	24 hours Service		8 to 10 hours Service	24 hours Service
NORMAL INDUSTRIAL USAGE Steady load not exceeding normal rating of motor or intermittent shock Moderate shock Heavy shock	1.00 1.25 1.75	Refer to factory	DREDGES Cable reels, Conveyors Cutter head drives Jig drive, Screen drive Stackers Utility winches	1.25 1.75 1.75 1.25 1.25	1.50 1.75 1.75 1.50 1.50	LINE SHAFTS Driving processing equipment Other line shafts	1.25 1.00	1.50 1.25
AGITATORS Pure Liquid Variable density	1.00 1.25		ELEVATORS (Conveyor type - same as conveyors)	Refer to Factory	Refer to Factory	PAPER MILL Bleacher presses Conveyors, suction roll Winders Agitators (mixers) Dryer, felt stretcher Stock chest calenders Beater & pulper Jordans Couch, cylinders	1.00 1.00 1.00 1.25 1.25 1.25 1.25 1.25	1.25 1.25 1.25 1.50 1.50 1.50 1.50 1.75
BLOWERS Centrifugal Lobe	1.00 1.25		FANS Centrifugal Cooling towers Large (mine, etc.) Light small diameter	1.00 Ref.to	1.25 Factory	RUBBER INDUSTRY Mixer Rubber calender Rubber mill Tire building machines Tire and tube press openers Tubers or strainers	1.25 1.25 1.25 — — 1.75	1.50 1.50 1.50 1.75 1.75 1.75
BREWING AND DISTILLING Bottling machinery Brew kettles, continous duty Cookers, continous duty Mash tubs, continous duty Scale hooper (frequent starting)	1.25 1.00 1.00 1.00 1.00		FOOD INDUSTRY Beet slicer Cereal cookers Dough mixer Meat grinder	1.25 1.00 1.25	1.50 1.25 1.50	PUMPS Centrifugal Gear and rotary - constant density fluid Gear and rotary - variable density fluid Proportioning pumps Reciprocating with open discharge Reciprocating - multicylinder, double acting Reciprocating - single cylinder Reversing duty	Refer to Factory — 1.00 1.00 2.00 1.25 1.00	Refer to Factory 1.50 1.25 1.25 2.00 1.50 2.00
CAR DUMPERS	1.00 1.25		HOISTS - See Cranes	1.00 1.25	1.25 1.50	SEWAGE DISPOSAL EQUIPMENT Inside service	1.25 Refer to Factory	1.50 Refer to Factory
CAR PULLERS	1.25		LAUNDRY WASHERS	1.25	1.50	SCREENS Rotary - stone or gravel Traveling water intake	1.25 Refer to Factory	1.50 Refer to Factory
CLARIFIERS	1.75		LAUNDRY TUMBLERS			OIL INDUSTRY Oil well pumping (not over 150% peak torque) Refineries Chillers, rotary kiln Paraffin filter press	1.00 1.25 1.00	1.25 1.50 1.25
CLASSIFIERS	1.25		MACHINE TOOLS Punch press (gear connected to toad) Notching press (belt driven) Plate planers Other machine tools main drives Auxiliary drives (Feed Traverse, etc.)	1.25 1.25 1.75 1.75 1.25	1.50 1.50 1.75 1.75 1.50	TEXTILE INDUSTRY Batchers, calenders Card machine, dry cans Dyeing machinery, mangles Nappers, soapers Spinner, tenter frames	1.75 1.25 1.25 1.25	1.75 1.50 1.50 1.50
CLAY WORKING MACHINERY Brick press Briquette machine Clay working machinery Pug mill	1.00 1.25		METALL MILLS Draw bench carriage and main drives Forming machines Pinch, dryer and scrubber rolls (reversing) Slitters Small rolling mill, drives Table conveyors (non reverse) Table conveyors (reversing) Wire drawing and flattening machines	1.75 1.75 1.25 1.00 1.00 1.75 Refer to	1.75 1.50 1.25 1.25 1.25 1.75 Factory			
COMPRESSORS Centrifugal Lobe Reciprocating multi-cylinders (within 3% cyclic variation) Reciprocating, single cylinder	1.75 1.75 1.25 1.25		MILLS (ROTARY TYPE) Ball, dryer cooler Cement kilns, pebble rod Kilns Tumbling barrels	1.25 1.75 1.25 1.25 1.75	1.50 1.75 1.50 1.50 1.75			
CONVEYORS (Uniformly loaded or fed)	1.00	MIXERS Concrete mixers - continous Concrete mixers - intermittent Constant density Variable density	1.25	1.50				
Flight, Oven, Screw	1.25							
CONVEYORS (Heavy duty or dual drive not uniformly fed) Apron, Assembly, Belt Bucket, Flight Oven, Screw Reciprocating, Shaker	1.25 Refer to							
CRANES & HOISTS Main hoists - medium duty - heavy duty Skip hoists Travel motion Trolley motion	1.00 1.25 1.25 1.25 1.75							
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	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1.50 1.50 1.75							
	1.25 1.75 Refer to factory							
	1.50 1.75 Refer to factory							
	1.25 1.00 1.00 1.25 1.25							
	1.50 1.50 1							

NORD GEAR



The application service factors shown above are considered typical for most applications. Where loads are lighter than normal, where units are operated seasonally, or where unusual severe conditions exist, refer to factory.

EXPLANATORY NOTES



BELTBOX OPTIONS

The built-in adjusting pulleys are proven components, produced in large quantities and operational in any position. The adjusting pulleys are maintenance free, i.e. they have been equipped with rustproof guides. All other components have also been manufactured from corrosion-proof material and prepared for maintenance free operation.

Precise and strong guides ensure a long operation-life and smooth running. The built-in spring with its optimized characteristic complete belt adjusting range.

The pulleys have a low moment of inertia with surfaces of non-abrasive light-metal (important for reversing and inching operations). Today's high capacity V-belts can be used to their full performance range. The symmetrical cross-section and constant axial pressure guarantees optimum power transmission with a high degree of efficiency, long working life and excellent running qualities.

As standard the V-belts are electrically conductive. They have a profiled inner- and outer-contour and are very flexible. Both sides are machined for smooth operation.

V - BELT DIMENSIONS

(all dimensions mm)

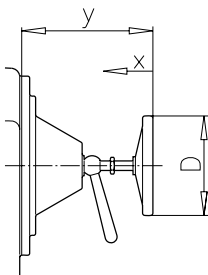
R 100	R 150	R 196	R 210	R 250	R 280	R 300	R 350	R 375	R 400	R 500
22,5x7x 578	28x7x754	33x9x906	37x10x950	47x12x1135	55x13x1270	51x16x1528	72x22x1500	83x23x1767	83x23x1842	83x26x2877
28 °	28 °	28 °	28 °	28 °	28 °	28 °	30 °	32 °	32 °	32 °

ADJUSTING SPEED WITH MANUAL CONTROL

When adjusting speed the motor should be turned on.

If adjustments are made with the motor turned off, damage to the belt box and associated machinery can occur.

STANDARD HANDWHEEL

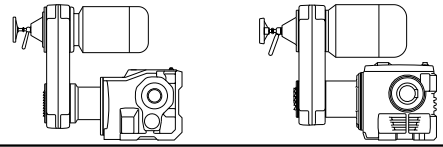
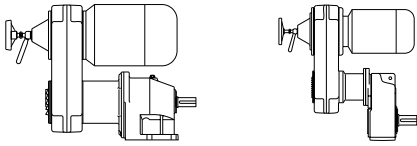


Type	R 100	R 150	R 196	R 210	R 250	R 280	R 300	R 350	R 375	R 400	R 500
D	3.94	3.94	4.92	4.92	4.92	9.42	9.84	9.84	9.84	9.84	9.84
x	0.60	0.87	1.06	1.22	1.46	1.73	1.57	1.97	1.89	1.97	2.28
y	5.87	6.26	7.56	7.79	9.25	9.49	11.02	11.42	12.99	13.39	13.78
n	10.2	12.5	13.5	15.5	18.5	22.0	20.0	25.0	16.0	16.7	19.3

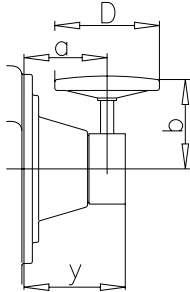
To cover the entire speed range, the number of full turns of the handwheel as listed in the tables are required (n).

Unless otherwise indicated the control will be mounted as shown.

EXPLANATORY NOTES



Angular control, type WST



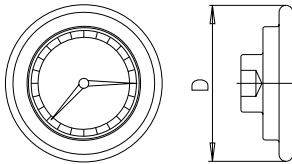
Type	R 100	R 150	R 196	R 210	R 250	R 280	R 300	R 350	R 375	R 400
D	3.94	3.94	4.92	4.92	6.30	6.30	7.87	7.87	7.87	9.84
a	4.45	5.32	5.39	5.39	6.14	6.14	9.84	9.84	9.84	9.84
b	4.02	4.02	4.33	4.33	4.53	4.53	5.91	5.91	5.91	5.91
y	5.59	6.42	6.50	6.50	7.28	7.28	11.42	11.42	11.42	11.42
n	10	15	18	21	25	29	13	17	16	17

To cover the entire speed range, the number of full turns of the handwheel as listed in the tables are required (n).

Unless otherwise indicated the control will be mounted as shown.

HANDWHEELS WITH SPEED INDICATING DIAL

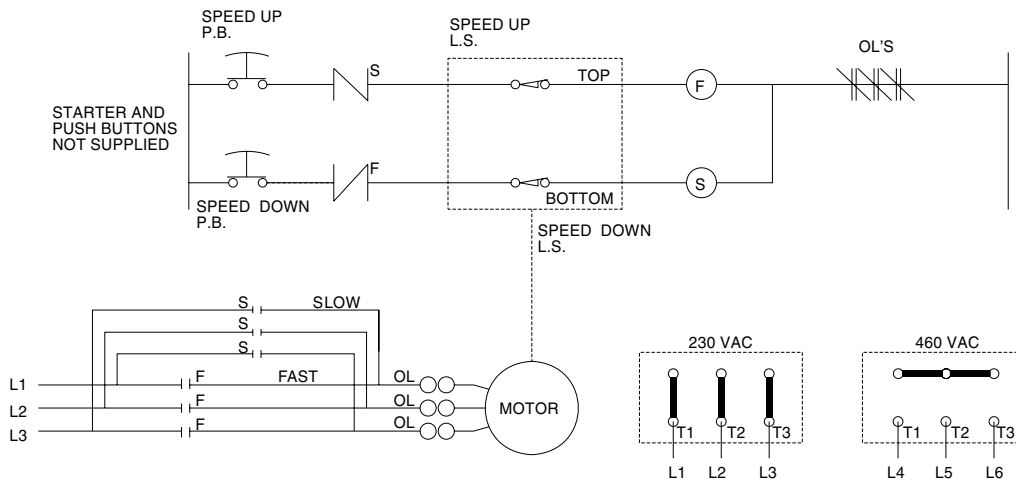
The simplest and most economic solution is to factory install a dial into the handwheel. Dial handwheels can be used with horizontal spindles and spindles inclined by up to 60° to the horizontal. These indicators count the rotations of the handwheel up to 18 turns. Factory sets to zero at the lowest possible speed. As speed is increased, a count of the handwheel rotations is displayed for reference.



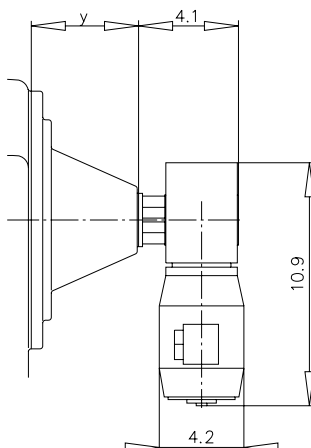
Type	R 100	R 150	R 196	R 210	R 250	R 280	R 300	R 350	R 375	R 400	R 500
D	3.15	4.92	4.92	4.92	6.30	6.30	9.84	9.84	9.84	9.84	9.84

ADJUSTING SPEED WITH ELECTROMECHANICAL REMOTE CONTROL EMFST

The drive leaves the factory set to the speeds indicated in the name plate and at minimum speed.



Customer must supply starter, fuses and push buttons. This version is a worm gear motor with limit switches and potentiometer.

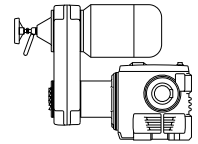
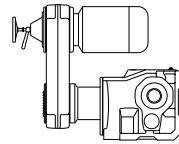
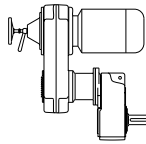
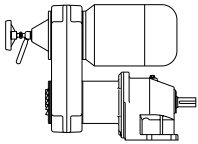


Type	y	Adjustment period min. to max. in seconds
R 100	3.39	13
R 150	3.39	18
R 196	3.90	23
R 210	3.90	26
R 250	4.84	23
R 280	4.84	28
R 300	4.84	25
R 350	4.84	30

Electrical remote control for R 375, R 400 and R 500 available on request !

Technical design may be subject to change.

EXPLANATORY NOTES



REPLACEMENT OF V-BELT

Easy V-belt replacement:

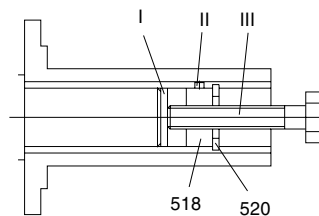
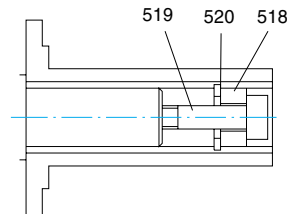
Unscrew the socket head screws and remove cover together with the entire speed control. Remove V-belt. Wrap the new V-belt around the open adjustable pulley and then slip it over the spring loaded pulley. The V-belt can be easily installed if the adjustable pulley is opened by installing a tapered wedge of soft pine between the spring pulley halves to keep them separated. Every new V-belt may stretch slightly but after a few hours of operation the full range of adjustment is available.

REPLACEMENT OF PULLEYS

The spring loaded pulley and adjustable pulley are located securely their shafts by a screw (519), a thrust washer (518), and a snap ring (520). The thrust washer and the snap ring of the pulley can also be used for jacking off the pulley. Remove the screw, washer and snap ring and place a steel disc (I) against the end of the shaft to protect the tapped hole in the shaft.

Replace the thrust washer and install the snap ring. The thrust washer has an internal thread larger than the screw (519). Remove spring loaded pulley or adjustable pulley.

Before installing the new pulley, spray the shaft with a Molykote compound. Assemble the thrust washer and snap ring into the pulley bore and pull the pulley onto the shaft with the screw (519). Do not drive the pulley on with a hammer.



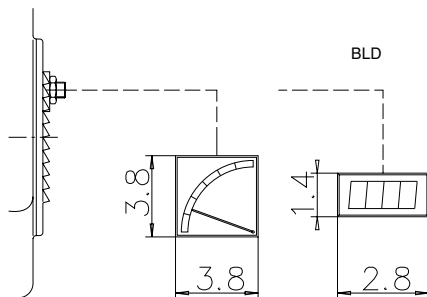
If the thrust washer (518) also rotates when removing the pulley, secure the thrust washer with a pin (II) inserted in the keyway. Please ensure the spring loaded and adjustable pulleys are exactly mounted as shown on page A7. Assembling pulley the wrong way can damage the machinery.

Special care has to be taken with the Z-design.

Please note that the moving parts of the pulleys must always be situated on opposite (diagonal) sides.

NON CONTACTING SPEED INDICATOR

Type BLA - with analog indicator
Type BLD - with digital indicator



Type BLA:

The speed indicator contains a built-in pulse sensor which converts the signals coming from the pulse generator into a direct current which is connected to the analog indicator.

Adjustment of the meter is possible by means of set screws on the back of the meter.

Type of Enclosure: IP 53 - Terminals IP 00

Scale marking: 0-100 %

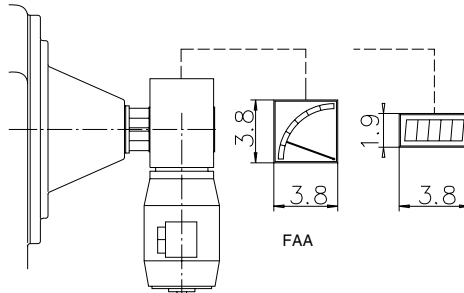
Scale deflection: 90°

Type BLD:

The digital indicator has a 4 digit - 7 segment red LED display,
Type of enclosure: IP 50 - Terminals IP 00.

ELECTRO-MECHANICAL REMOTE CONTROL, EMFST WITH REMOTE SPEED INDICATOR

Type FAA - with analog indicator
Type FAD - with digital indicator



Type FAA:

In addition to the electro-mechanical remote control the remote speed indicator is available, showing the speed setting in percent.

Type of enclosure: IP 21 - Terminals IP 00

Marking of Scale: 0-100 %

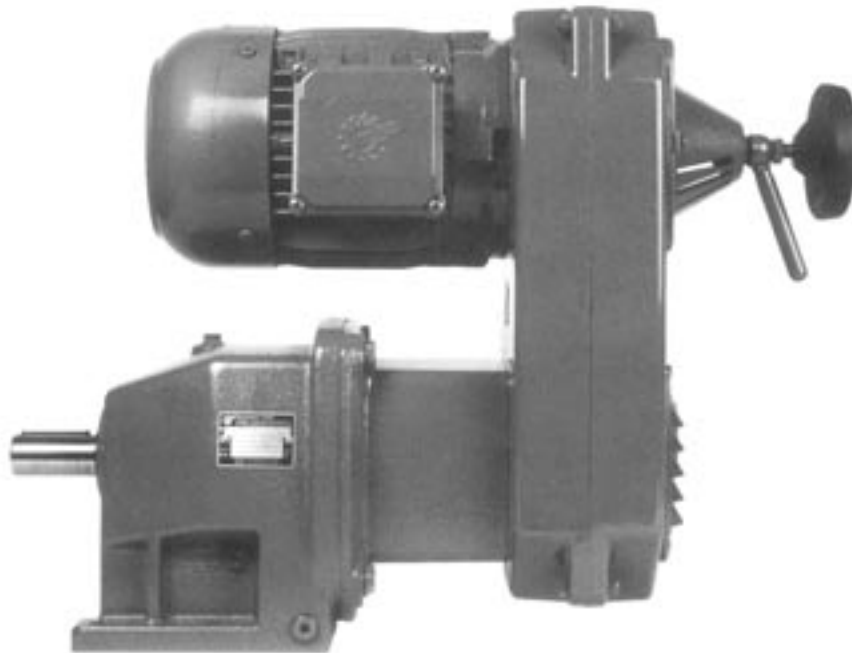
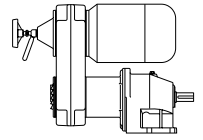
Scale deflection: 90°

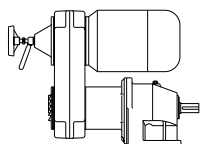
Type FAD:

The digital indicator has a 4 1/2 digit - 7 segment red LED display,
Type of enclosure: Casing IP 20, Terminals IP 00.



VARIABLE SPEED HELICAL GEAR UNITS



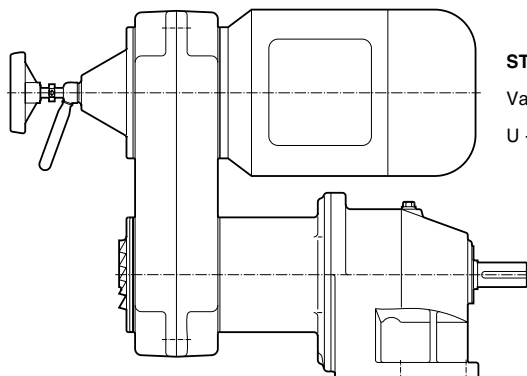


VARIABLE SPEED HELICAL GEAR UNITS



NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE
FOOT MOUNTED	
SK 02 - SK 102 = Helical Gearboxes double reduction, foot mounted	R 100 U
SK 63 - SK 103 = Helical Gearboxes triple reduction, foot mounted	R 150 U
	R 196 U
	R 210 U
	R 250 U
	R 280 U Variable speed drives U design
	R 300 U
	R 350 U
	R 375 U
	R 400 U
	R 500 U
FLANGE MOUNTED	
SK 02 F - SK 102 F = Helical Gearboxes double reduction, flange mounted	R 100 Z
SK 63 F - SK 103 F = Helical Gearboxes triple reduction, flange mounted	R 150 Z
	R 196 Z
	R 210 Z
	R 250 Z
	R 280 Z Variable speed drives Z design
	R 300 Z
	R 350 Z
	R 375 Z
	R 400 Z
	R 500 Z
HELICAL GEAR UNITS - OPTIONS	
see catalog 1000	



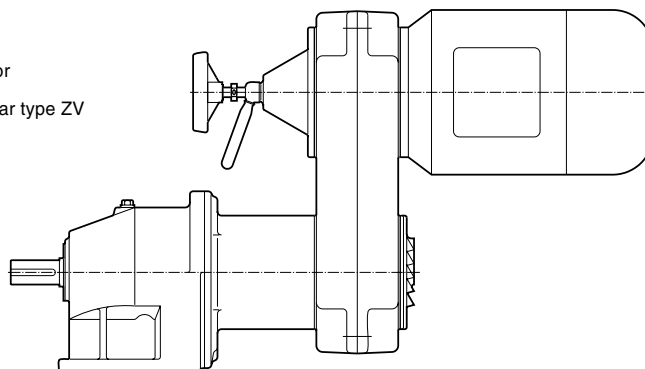
STANDARD TYPE

Variable speed helical geared motor

U - design (affix: U), with control gear type ZV

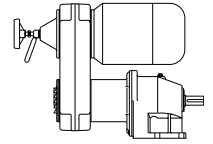
Variable speed helical geared motor

Z - design (affix: Z), with control gear type ZV





VARIABLE SPEED GEAR UNITS

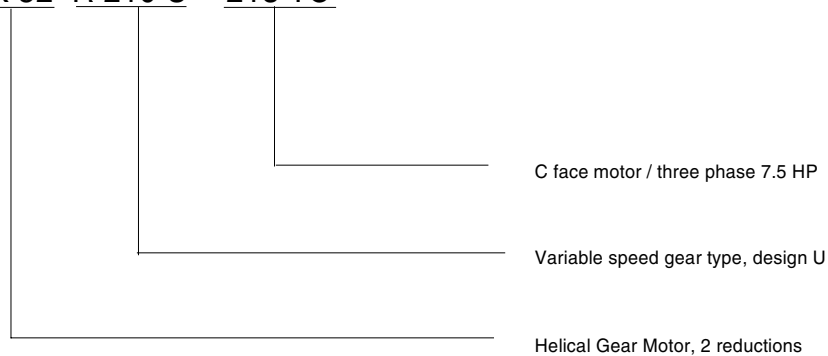


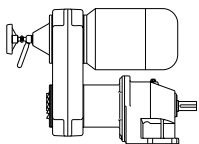
NOMENCLATURE

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
= Speed control ZV WST = Angular control EMFST = Electromechanical remote control SPEED INDICATORS BLA = Non contacting speed indicator, analogue BLD = Non contacting speed indicator, digital FAA = EMFST with remote speed indicator, analogue FAD = EMFST with remote speed indicator, digital	C - face 1/3 - 30 HP 56 C - 286 TC IEC 40 - 150 HP 200 L/4 - 315 S/4	BRE = with brake DG = Incremental encoder HL = Brake motor with hand release R = Backstop RG = Brake corrosion-protected	SR = Brake dust-proof TF = Thermistor TW = Thermal trip WE = 2nd motor shaft end

EXAMPLE FOR ORDERING:

SK 52 R 210 U - 213 TC





VARIABLE SPEED GEAR UNITS



MOUNTING POSITIONS

	B 3 U (Z)	B 6 U (Z)	B 7 U (Z)
SK 02 - SK 52			
SK 62 - SK 103			
	B 8 U (Z)	B 5 U (Z)	B 5 I U (Z)
SK 02 - SK 52			
SK 62 - SK 103			

Symbols:



Vent plug



Drain plug



Oil level

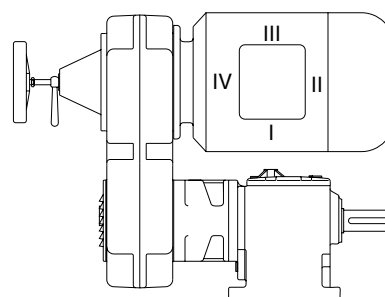
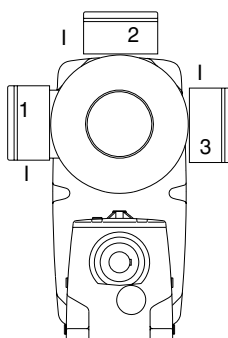
POSITION OF TERMINAL BOX AND CABLE ENTRY

Please specify position of terminal box and cable entry !

Normal design:

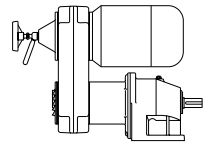
1/3 - 30 HP, Terminal Box at 3. Cable entry at I or III only.
40 - 150 HP, Terminal box at 1. Cable entry at I.

If other position are required, please specify exactly when ordering.

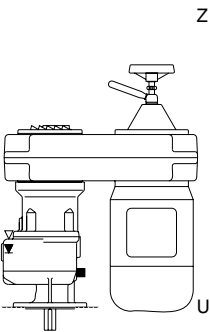
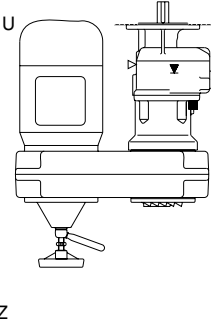
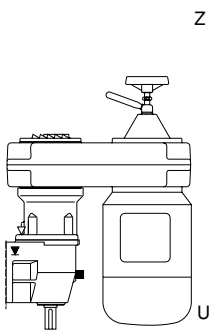
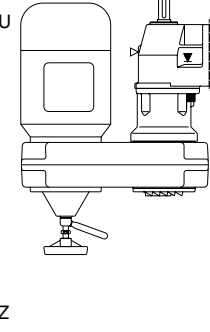
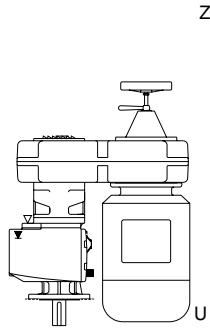
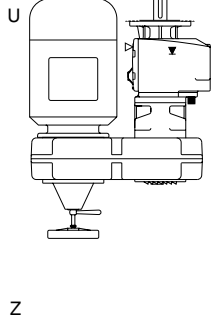
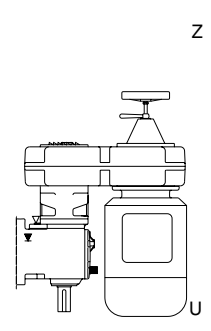
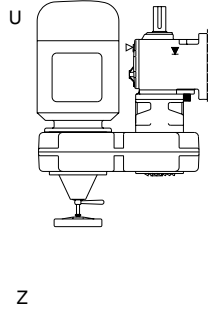




VARIABLE SPEED GEAR UNITS



MOUNTING POSITIONS

	V 1 U (Z)	V 3 U (Z)	V 5 U (Z)	V 6 U (Z)
SK 02 - SK 52				
SK 62 - SK 103				

Symbols:



Vent plug



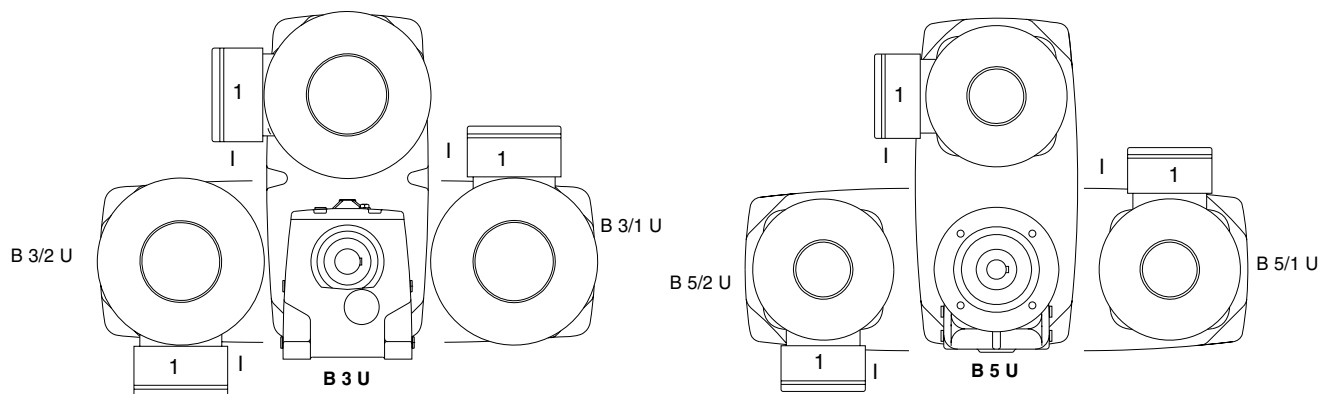
Drain plug

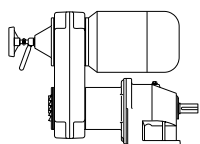


Oil level

In all mounting positions the variable speed drive may be mounted at an angle of 90°.

affix: *1 = right , *2 = left





VARIABLE SPEED HELICAL GEARED MOTORS



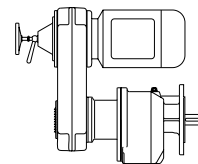
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.33	47	9.5	395	1974	11.5	2.3	81.27	SK 32 - R100 Z - 56 C	121	0.8	5.00
	53	10.6	353	1770	14.0	2.8	72.76				
	60	12.0	312	1558	14.5	2.9	64.26				
	67	13.4	280	1398	17.7	3.5	57.53				
	45	8.9	419	2000	4.8	1.0	86.30	SK 22 - R100 Z - 56 C	97	0.8	5.00
	55	11.1	339	1690	6.9	1.4	69.81				
	70	14.0	268	1345	9.4	1.9	55.28				
	84	17	223	1115	11.6	2.3	45.90				
	90	18	208	1035	12.1	2.4	42.82				
	109	22	173	863	16.0	3.2	35.55				
	132	26	142	712	18.1	3.6	29.31				
	156	31	120	600	18.1	3.6	24.73				
	53	10.6	352	1230	3.5	1.0	72.63	SK 12 - R100 U/Z - 56 C	68	0.8	5.00
	63	12.6	298	1310	4.4	1.0	61.35				
	72	14.3	261	1310	5.0	1.0	53.84				
	81	16	233	1159	5.6	1.1	47.87				
	90	18	209	1044	6.9	1.4	43.09				
	101	20	186	929	7.8	1.6	38.31				
	110	22	170	851	7.8	1.5	35.07				
	124	25	151	757	9.6	1.9	31.19				
	132	26	142	708	7.8	1.5	29.15				
	149	30	126	629	9.6	1.9	25.92				
	181	36	104	517	12.6	2.5	21.28				
	205	41	91.2	456	14.4	2.9	18.79				
	231	46	81.4	406	15.8	3.2	16.73				
	288	58	64.6	325	20.0	4.0	13.39				
	53	10.6	355	681	1.9	1.0	73.06	SK 02 - R100 U/Z - 56 C	64	0.8	5.00
	63	12.6	297	681	2.3	1.0	61.27				
	72	14.4	260	681	2.6	1.0	53.68				
	93	19	202	814	4.0	1.0	41.58				
	115	23	162	812	5.2	1.0	33.42				
	130	26	143	719	5.7	1.1	29.61				
	140	28	134	668	5.8	1.2	27.52				
	158	32	119	592	6.6	1.3	24.39				
	167	33	112	561	6.1	1.2	23.13				
	187	37	100	500	6.5	1.3	20.59				
	242	48	77.0	387	8.3	1.6	15.95				
	301	60	62.0	312	10.0	2.0	12.82				
	342	68	54.9	273	10.8	2.2	11.27				
	388	78	48.7	242	11.6	2.3	9.95				
	416	83	45.1	226	12.7	2.5	9.28				
	471	94	39.8	199	14.0	2.8	8.19				
	495	99	38.1	189	14.7	2.9	7.80				
	560	112	33.6	167	16.1	3.2	6.89				
	632	126	29.2	148	15.8	3.1	6.10				
	692	138	27.4	135	18.4	3.7	5.57				
	800	160	23.0	117	21.9	4.3	4.82				
	914	183	20.4	103	21.3	4.2	4.22				
	992	198	18.6	94.7	25.2	5.0	3.89				
	1141	228	16.8	82.3	26.8	5.5	3.38				
	1308	262	14.2	71.7	28.8	5.7	2.95				
0.50	47	9.5	597	2991	7.6	1.5	81.27	SK 32 - R100 Z - 56 C	121	1.1	5.00
	53	10.6	535	2673	9.3	1.9	72.76				
	60	12.0	473	2363	9.6	1.9	64.26				
	67	13.4	423	2115	11.7	2.3	57.53				
	83	17	341	1699	13.8	2.8	46.31	SK 22 - R100 Z - 56 C	97	1.1	5.00
	100	20	285	1425	13.9	2.8	38.76				
	45	8.9	635	2000	3.2	1.0	86.30				
	55	11.1	513	2328	4.5	1.0	69.81				
	70	14.0	406	2036	6.2	1.2	55.28				
	84	17	337	1690	7.7	1.5	45.90				
	90	18	315	1575	8.0	1.6	42.82				

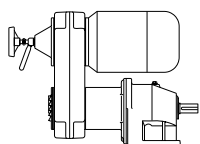


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.50	109	22	261	1310	10.6	2.1	35.55	SK 22 - R100 Z - 56 C	97	1.1	5.00
	132	26	216	1080	12.0	2.4	29.31				
	156	31	182	912	11.9	2.4	24.73				
	53	10.6	535	1230	2.3	1.0	72.63	SK 12 - R100 U/Z - 56 C	68	1.1	5.00
	63	12.6	451	1310	2.9	1.0	61.35				
	72	14.3	396	1310	3.3	1.0	53.84				
	81	16	352	1310	3.7	1.0	47.87				
	90	18	317	1434	4.5	1.0	43.09				
	101	20	281	1407	5.2	1.0	38.31				
	110	22	258	1292	5.1	1.0	35.07				
	124	25	229	1151	6.4	1.3	31.19				
	132	26	214	1071	5.1	1.0	29.15				
	149	30	190	956	6.4	1.3	25.92				
	181	36	157	782	8.4	1.7	21.28				
	205	41	138	691	9.5	1.9	18.79				
	231	46	123	615	10.4	2.1	16.73				
	288	58	98.2	492	13.2	2.6	13.39				
	360	72	78.8	394	14.7	2.9	10.70				
	400	80	70.8	355	16.5	3.3	9.65				
	451	90	62.8	315	17.2	3.4	8.56				
	491	98	57.5	289	19.7	3.9	7.85				
	530	106	54.0	268	19.0	3.8	7.28				
	53	10.6	537	681	1.3	1.0	73.06	SK 02 - R100 U/Z - 56 C	64	1.1	5.00
	63	12.6	450	681	1.5	1.0	61.27				
	72	14.4	395	681	1.7	1.0	53.68				
	93	19	306	814	2.7	1.0	41.58				
	115	23	246	850	3.5	1.0	33.42				
	130	26	218	814	3.7	1.0	29.61				
	140	28	203	770	3.8	1.0	27.52				
	158	32	180	788	4.4	1.0	24.39				
	167	33	170	690	4.1	1.0	23.13				
	187	37	151	655	4.3	1.0	20.59				
	242	48	118	587	5.4	1.1	15.95				
	301	60	94.7	472	6.5	1.3	12.82				
	342	68	83.2	414	7.1	1.4	11.27				
	388	78	73.5	366	7.7	1.5	9.95				
	416	83	68.1	342	8.4	1.7	9.28				
	471	94	60.2	301	9.3	1.9	8.19				
	495	99	57.5	287	9.7	1.9	7.80				
	560	112	50.4	253	10.7	2.1	6.89				
	632	126	45.1	225	10.2	2.0	6.10				
	692	138	40.7	204	12.4	2.5	5.57				
	800	160	35.4	177	14.2	2.8	4.82				
	914	183	31.0	155	14.0	2.8	4.22				
	992	198	28.3	143	16.6	3.3	3.89				
	1141	228	24.8	124	18.2	3.6	3.38				
	1308	262	22.1	109	18.4	3.7	2.95				
0.75	47	9.5	894	4487	5.1	1.0	81.27	SK 32 - R100 Z - 56 C	121	1.6	5.00
	53	10.6	803	4018	6.2	1.2	72.76				
	60	12.0	709	3549	6.4	1.3	64.26	SK 22 - R100 Z - 56 C	97	1.6	5.00
	67	13.4	635	3177	7.8	1.6	57.53				
	83	17	511	2558	9.2	1.8	46.31				
	100	20	427	2142	9.2	1.8	38.76				
	117	23	365	1823	9.2	1.8	33.05				
	127	25	335	1682	13.5	2.7	30.43				
	142	28	301	1505	16.4	3.3	27.24				
	167	33	255	1274	17.7	3.5	23.12				
	186	37	228	1142	21.7	4.3	20.70				
	207	41	206	1027	24.0	4.8	18.67				
	45	8.9	956	2000	2.1	1.0	86.30				
	55	11.1	770	2328	3.0	1.0	69.81				
	70	14.0	610	2522	4.1	1.0	55.28				



VARIABLE SPEED HELICAL GEARED MOTORS



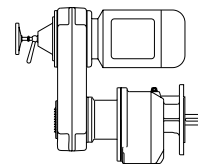
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.75	84	17	506	2531	5.1	1.0	45.90	SK 22 - R100 Z - 56 C	97	1.6	5.00
	90	18	473	2363	5.3	1.1	42.82				
	109	22	392	1965	7.0	1.4	35.55				
	132	26	323	1620	8.0	1.6	29.31				
	156	31	273	1363	8.0	1.6	24.73				
	230	46	185	920	13.6	2.7	16.75				
	263	53	162	811	15.6	3.1	14.69				
	316	63	135	673	20.5	4.1	12.20				
	354	71	120	601	22.8	4.6	10.89				
	53	10.6	801	1230	1.5	1.0	72.63				
	63	12.6	677	1310	1.9	1.0	61.35				
	72	14.3	594	1310	2.2	1.0	53.84				
	81	16	528	1310	2.5	1.0	47.87				
	90	18	475	1434	3.0	1.0	43.09				
	101	20	423	1451	3.4	1.0	38.31				
	110	22	387	1319	3.4	1.0	35.07				
	124	25	344	1460	4.2	1.0	31.19				
	132	26	321	1097	3.4	1.0	29.15				
	149	30	286	1212	4.2	1.0	25.92				
	181	36	235	1177	5.6	1.1	21.28	SK 12 - R100 U/Z - 56 C	68	1.6	5.00
	205	41	207	1035	6.3	1.3	18.79				
	231	46	185	920	6.9	1.4	16.73				
	288	58	148	739	8.7	1.7	13.39				
	360	72	118	590	9.8	2.0	10.70				
	400	80	106	533	11.0	2.2	9.65				
	451	90	94.7	473	11.4	2.3	8.56				
	491	98	86.7	433	13.1	2.6	7.85				
	530	106	80.5	402	12.7	2.6	7.28				
	591	118	71.7	360	15.3	3.0	6.53				
	666	133	63.7	319	16.5	3.3	5.79				
	782	156	54.0	272	18.7	3.7	4.93				
	859	172	49.6	248	20.7	4.1	4.49				
	893	179	47.8	238	19.4	3.9	4.32				
	969	194	44.3	219	22.4	4.5	3.98				
	72	14.4	592	681	1.2	1.0	53.68	SK 02 - R100 U/Z - 56 C	64	1.6	5.00
	93	19	458	814	1.8	1.0	41.58				
	115	23	369	850	2.3	1.0	33.42				
	130	26	327	814	2.5	1.0	29.61				
	140	28	304	770	2.5	1.0	27.52				
	158	32	269	788	2.9	1.0	24.39				
	167	33	255	690	2.7	1.0	23.13				
	187	37	227	655	2.9	1.0	20.59				
	242	48	176	637	3.6	1.0	15.95				
	301	60	142	620	4.4	1.0	12.82				
	342	68	125	593	4.8	1.0	11.27				
	388	78	110	549	5.2	1.0	9.95				
	416	83	103	512	5.6	1.1	9.28				
	471	94	90.3	452	6.2	1.2	8.19				
	495	99	85.8	430	6.5	1.3	7.80				
	560	112	76.1	380	7.1	1.4	6.89				
	632	126	67.3	336	6.8	1.4	6.10				
	692	138	61.1	307	8.3	1.6	5.57				
	800	160	53.1	266	9.5	1.9	4.82				
	914	183	46.9	233	9.2	1.9	4.22				
	992	198	42.5	214	11.0	2.2	3.89				
	1141	228	37.2	187	12.1	2.4	3.38				
	1308	262	32.7	163	12.4	2.5	2.95				
1.00	47	9.5	1195	4531	3.8	1.0	81.27	SK 32 - R100 Z - 143 TC	135	2.1	5.00
	53	10.6	1071	4859	4.6	1.0	72.76				
	60	12.0	947	4292	4.8	1.1	64.26				
	67	13.4	846	3841	5.9	1.3	57.53				
	83	17	681	3098	6.9	1.5	46.31				
	100	20	570	2593	6.9	1.5	38.76				

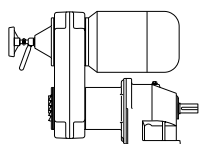


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
1.00	117	23	486	2213	6.9	1.5	33.05	SK 32 - R100 Z - 143 TC	135	2.1	5.00
	127	25	448	2036	10.1	2.2	30.43				
	142	28	401	1823	12.3	2.7	27.24				
	167	33	340	1549	13.3	2.9	23.12				
	186	37	304	1381	16.2	3.6	20.70				
	207	41	274	1248	18.0	4.0	18.67				
	45	8.9	1266	2000	1.6	1.0	86.30	SK 22 - R100 Z - 143 TC	110	2.1	5.00
	55	11.1	1027	2328	2.3	1.0	69.81				
	70	14.0	813	2522	3.1	1.0	55.28				
	84	17	675	2584	3.8	1.0	45.90				
	90	18	630	2522	4.0	1.0	42.82				
	109	22	523	2372	5.3	1.2	35.55				
	132	26	431	1956	6.0	1.3	29.31				
	156	31	364	1655	6.0	1.3	24.73				
	230	46	246	1115	10.3	2.3	16.75				
	263	53	216	982	11.7	2.6	14.69				
	316	63	180	815	15.3	3.4	12.20				
	354	71	160	727	17.1	3.8	10.89				
	455	91	125	566	18.4	4.0	8.48				
	53	10.6	1071	1230	1.1	1.0	72.63	SK 12 - R100 U/Z - 143 TC	82	2.1	5.00
	63	12.6	903	1310	1.5	1.0	61.35				
	72	14.3	792	1310	1.7	1.0	53.84				
	81	16	704	1310	1.9	1.0	47.87				
	90	18	634	1434	2.3	1.0	43.09				
	101	20	564	1451	2.6	1.0	38.31				
	110	22	516	1319	2.6	1.0	35.07				
	124	25	458	1460	3.2	1.0	31.19				
	132	26	429	1097	2.6	1.0	29.15				
	149	30	381	1212	3.2	1.0	25.92				
	181	36	313	1310	4.2	1.0	21.28				
	205	41	276	1257	4.7	1.0	18.79				
	231	46	246	1115	5.2	1.2	16.73				
	288	58	197	894	6.5	1.4	13.39				
	360	72	158	715	7.4	1.6	10.70				
	400	80	142	645	8.2	1.8	9.65				
	451	90	126	572	8.6	1.9	8.56				
	491	98	115	525	9.8	2.2	7.85				
	530	106	107	487	9.6	2.1	7.28				
	591	118	96.5	436	11.4	2.5	6.53				
	666	133	85.0	387	12.4	2.7	5.79				
	782	156	72.6	329	13.9	3.1	4.93				
	859	172	66.4	300	15.5	3.4	4.49				
	893	179	63.7	289	14.6	3.2	4.32				
	969	194	58.4	266	17.0	3.7	3.98				
	93	19	612	814	1.3	1.0	41.58	SK 02 - R100 U/Z - 143 TC	77	2.1	5.00
	115	23	492	850	1.7	1.0	33.42				
	130	26	435	814	1.9	1.0	29.61				
	140	28	404	770	1.9	1.0	27.52				
	158	32	358	788	2.2	1.0	24.39				
	167	33	340	690	2.0	1.0	23.13				
	187	37	303	655	2.2	1.0	20.59				
	242	48	235	637	2.7	1.0	15.95				
	301	60	189	620	3.3	1.0	12.82				
	342	68	165	593	3.6	1.0	11.27				
	388	78	146	566	3.9	1.0	9.95				
	416	83	136	575	4.2	1.0	9.28				
	471	94	120	547	4.6	1.0	8.19				
	495	99	115	521	4.8	1.1	7.80				
	560	112	102	460	5.3	1.2	6.89				
	632	126	89.4	408	5.1	1.1	6.10				
	692	138	82.3	373	6.1	1.4	5.57				



VARIABLE SPEED HELICAL GEARED MOTORS



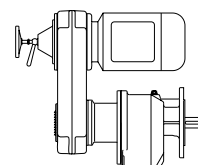
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
1.00	800	160	70.8	322	7.1	1.6	4.82	SK 02 - R100 U/Z - 143 TC	77	2.1	5.00
	914	183	62.0	282	7.0	1.5	4.22				
	992	198	57.5	260	8.2	1.8	3.89				
	1141	228	49.6	226	9.1	2.0	3.38				
	1308	262	43.4	197	9.4	2.1	2.95				
1.50	47	9.5	1797	4531	2.5	1.0	81.27	SK 32 - R100 Z - 145 TC	135	3.0	5.00
	53	10.6	1602	4859	3.1	1.0	72.76				
	60	12.0	1416	4292	3.2	1.1	64.26				
	67	13.4	1266	3841	3.9	1.3	57.53				
	83	17	1018	3098	4.6	1.5	46.31				
	100	20	855	2593	4.6	1.5	38.76				
	117	23	729	2213	4.6	1.5	33.05				
	127	25	672	2036	6.7	2.2	30.43				
	142	28	601	1823	8.2	2.7	27.24				
	167	33	510	1549	8.9	2.9	23.12				
	186	37	457	1381	10.8	3.6	20.70				
	207	41	412	1248	12.0	4.0	18.67				
	50	8.3	1708	4531	2.7	1.0	81.27	SK 32 - R150 U/Z - 145 TC	150	3.0	6.00
	56	9.3	1522	4956	3.3	1.0	72.76				
	63	10.5	1345	4531	3.4	1.0	64.26				
	71	11.8	1204	4956	4.1	1.0	57.53				
	88	14.6	974	4956	5.1	1.0	46.25				
	105	17	812	3947	4.9	1.0	38.76				
	109	18	781	4460	6.6	1.2	37.23				
	123	20	693	3363	4.9	1.0	33.05				
	133	22	638	3646	7.1	1.2	30.43				
	149	25	571	3266	8.7	1.5	27.24				
	176	29	485	2770	9.3	1.6	23.12				
	196	33	434	2478	11.4	2.0	20.70				
	217	36	391	2239	12.6	2.2	18.67				
	244	41	350	2000	13.4	2.3	16.66				
	45	8.9	1903	2000	1.1	1.0	86.30	SK 22 - R100 Z - 145 TC	110	3.0	5.00
	55	11.1	1540	2328	1.5	1.0	69.81				
	70	14.0	1221	2522	2.1	1.0	55.28				
	84	17	1009	2584	2.6	1.0	45.90				
	90	18	947	2522	2.7	1.0	42.82				
	109	22	784	2372	3.5	1.2	35.55				
	132	26	647	1956	4.0	1.3	29.31				
	156	31	546	1655	4.0	1.3	24.73				
	230	46	370	1115	6.8	2.3	16.75				
	263	53	324	982	7.8	2.6	14.69				
	316	63	269	815	10.2	3.4	12.20				
	354	71	241	727	11.4	3.8	10.89				
	455	91	187	566	12.3	4.0	8.48				
	47	7.8	1805	2000	1.1	1.0	86.30	SK 22 - R150 U/Z - 145 TC	126	3.0	6.00
	58	9.7	1460	2328	1.6	1.0	69.81				
	73	12.2	1159	2522	2.2	1.0	55.28				
	88	14.7	965	2584	2.7	1.0	45.90				
	95	16	894	2522	2.8	1.0	42.82				
	114	19	745	2761	3.7	1.0	35.55				
	117	20	727	2522	3.5	1.0	34.69				
	141	23	604	2752	4.6	1.0	28.80				
	164	27	519	2177	4.2	1.0	24.73				
	171	29	497	2673	5.4	1.0	23.74				
	203	34	420	2398	6.0	1.1	20.03				
	242	40	351	2009	7.2	1.3	16.75				
	276	46	308	1761	8.2	1.4	14.69				
	333	55	256	1460	10.8	1.9	12.20				
	373	62	228	1310	12.0	2.1	10.89				
	479	80	178	1018	12.9	2.3	8.48				
	536	89	158	912	13.7	2.4	7.57				

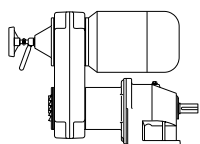


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
1.50	72	14.3	1186	1310	1.1	1.0	53.84	SK 12 - R100 U/Z - 145 TC	82	3.0	5.00
	81	16	1053	1310	1.2	1.0	47.87				
	90	18	947	1434	1.5	1.0	43.09				
	101	20	845	1451	1.7	1.0	38.31				
	110	22	773	1319	1.7	1.0	35.07				
	124	25	689	1460	2.1	1.0	31.19				
	132	26	643	1097	1.7	1.0	29.15				
	149	30	572	1212	2.1	1.0	25.92				
	181	36	470	1310	2.8	1.0	21.28				
	205	41	415	1257	3.2	1.0	18.79				
	231	46	369	1115	3.5	1.2	16.73				
	288	58	296	894	4.4	1.4	13.39				
	360	72	236	715	4.9	1.6	10.70				
	400	80	213	645	5.5	1.8	9.65				
	451	90	189	572	5.7	1.9	8.56				
	491	98	173	525	6.5	2.2	7.85				
	530	106	161	487	6.4	2.1	7.28				
	591	118	144	436	7.6	2.5	6.53				
	666	133	127	387	8.3	2.7	5.79				
	782	156	109	329	9.3	3.1	4.93				
	859	172	99.1	300	10.4	3.4	4.49				
	893	179	95.6	289	9.7	3.2	4.32				
	969	194	87.6	266	11.3	3.7	3.98				
2.00	115	23	737	850	1.2	1.0	33.42	SK 02 - R100 U/Z - 145 TC	77	3.0	5.00
	130	26	653	814	1.2	1.0	29.61				
	140	28	607	770	1.3	1.0	27.52				
	158	32	538	788	1.5	1.0	24.39				
	167	33	511	690	1.4	1.0	23.13				
	187	37	454	655	1.4	1.0	20.59				
	242	48	352	637	1.8	1.0	15.95				
	301	60	283	620	2.2	1.0	12.82				
	342	68	249	593	2.4	1.0	11.27				
	388	78	219	566	2.6	1.0	9.95				
	416	83	204	575	2.8	1.0	9.28				
	471	94	181	547	3.1	1.0	8.19				
	495	99	172	521	3.2	1.1	7.80				
	560	112	152	460	3.5	1.2	6.89				
	632	126	135	408	3.4	1.1	6.10				
	692	138	123	373	4.1	1.4	5.57				
	800	160	106	322	4.8	1.6	4.82				
	914	183	92.9	282	4.7	1.5	4.22				
	992	198	85.8	260	5.5	1.8	3.89				
	1141	228	74.3	226	6.1	2.0	3.38				
	1308	262	65.5	197	6.2	2.1	2.95				
2.00	47	9.5	2390	4531	1.9	1.0	81.27	SK 32 - R100 Z - 145 TC	135	3.4	5.00
	53	10.6	2142	4859	2.3	1.0	72.76				
	60	12.0	1894	4292	2.4	1.1	64.26				
	67	13.4	1690	3841	2.9	1.3	57.53				
	83	17	1363	3098	3.5	1.5	46.31				
	100	20	1142	2593	3.5	1.5	38.76				
	117	23	974	2213	3.5	1.5	33.05				
	127	25	894	2036	5.1	2.2	30.43				
	142	28	802	1823	6.2	2.7	27.24				
	167	33	681	1549	6.6	2.9	23.12				
	186	37	609	1381	8.1	3.6	20.70				
	207	41	550	1248	9.0	4.0	18.67				
2.00	50	8.3	2274	4531	2.0	1.0	81.27	SK 32 - R150 U/Z - 145 TC	150	3.4	6.00
	56	9.3	2036	4956	2.4	1.0	72.76				
	63	10.5	1797	4531	2.5	1.0	64.26				
	71	11.8	1611	4956	3.1	1.0	57.53				
	88	14.6	1292	4956	3.8	1.0	46.25				
	105	17	1080	3947	3.7	1.0	38.76				



VARIABLE SPEED HELICAL GEARED MOTORS



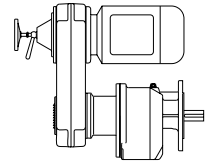
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
2.00	109	18	1044	4460	5.0	1.2	37.23	SK 32 - R150 U/Z - 145 TC	150	3.4	6.00
	123	20	920	3363	3.7	1.0	33.05				
	133	22	850	3646	5.3	1.2	30.43				
	149	25	761	3266	6.5	1.5	27.24				
	176	29	646	2770	7.0	1.6	23.12				
	196	33	579	2478	8.5	2.0	20.70				
	217	36	522	2239	9.5	2.2	18.67				
	244	41	466	2000	10.1	2.3	16.66				
	55	11.1	2053	2328	1.1	1.0	69.81	SK 22 - R100 Z - 145 TC	110	3.4	5.00
	70	14.0	1628	2522	1.5	1.0	55.28				
	84	17	1354	2584	1.9	1.0	45.90				
	90	18	1257	2522	2.0	1.0	42.82				
	109	22	1044	2372	2.6	1.2	35.55				
	132	26	862	1956	3.0	1.3	29.31				
	156	31	727	1655	3.0	1.3	24.73				
	230	46	493	1115	5.1	2.3	16.75				
	263	53	432	982	5.8	2.6	14.69				
	316	63	359	815	7.7	3.4	12.20				
	354	71	320	727	8.6	3.8	10.89				
	455	91	250	566	9.2	4.0	8.48				
	58	9.7	1956	2328	1.2	1.0	69.81	SK 22 - R150 U/Z - 145 TC	126	3.4	6.00
	73	12.2	1549	2522	1.6	1.0	55.28				
	88	14.7	1283	2584	2.0	1.0	45.90				
	95	16	1195	2522	2.1	1.0	42.82				
	114	19	991	2761	2.8	1.0	35.55				
	117	20	974	2522	2.6	1.0	34.69				
	141	23	805	2752	3.4	1.0	28.80				
	164	27	691	2177	3.1	1.0	24.73				
	171	29	664	2673	4.0	1.0	23.74				
	203	34	560	2398	4.5	1.1	20.03				
	242	40	468	2009	5.4	1.3	16.75				
	276	46	411	1761	6.1	1.4	14.69				
	333	55	341	1460	8.1	1.9	12.20				
	373	62	304	1310	9.0	2.1	10.89				
	479	80	237	1018	9.7	2.3	8.48				
	536	89	212	912	10.3	2.4	7.57				
	90	18	1266	1434	1.1	1.0	43.09	SK 12 - R100 U/Z - 145 TC	82	3.4	5.00
	101	20	1124	1451	1.3	1.0	38.31				
	110	22	1035	1319	1.3	1.0	35.07				
	124	25	920	1460	1.6	1.0	31.19				
	132	26	858	1097	1.3	1.0	29.15				
	149	30	763	1212	1.6	1.0	25.92				
	181	36	626	1310	2.1	1.0	21.28				
	205	41	553	1257	2.4	1.0	18.79				
	231	46	492	1115	2.6	1.2	16.73				
	288	58	394	894	3.3	1.4	13.39				
	360	72	315	715	3.7	1.6	10.70				
	400	80	284	645	4.1	1.8	9.65				
	451	90	252	572	4.3	1.9	8.56				
	491	98	231	525	4.9	2.2	7.85				
	530	106	214	487	4.8	2.1	7.28				
	591	118	192	436	5.7	2.5	6.53				
	666	133	170	387	6.2	2.7	5.79				
	782	156	145	329	7.0	3.1	4.93				
	859	172	132	300	7.8	3.4	4.49				
	893	179	127	289	7.3	3.2	4.32				
	969	194	117	266	8.5	3.7	3.98				
	158	32	718	788	1.1	1.0	24.39	SK 02 - R100 U/Z - 145 TC	77	3.4	5.00
	187	37	606	655	1.1	1.0	20.59				
	242	48	469	637	1.4	1.0	15.95				

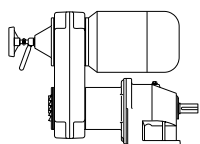


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
2.00	301	60	377	620	1.6	1.0	12.82	SK 02 - R100 U/Z - 145 TC	77	3.4	5.00
	342	68	332	593	1.8	1.0	11.27				
	388	78	293	566	1.9	1.0	9.95				
	416	83	273	575	2.1	1.0	9.28				
	471	94	241	547	2.3	1.0	8.19				
	495	99	229	521	2.4	1.1	7.80				
	560	112	203	460	2.7	1.2	6.89				
	632	126	180	408	2.6	1.1	6.10				
	692	138	164	373	3.1	1.4	5.57				
	800	160	142	322	3.6	1.6	4.82				
	914	183	124	282	3.5	1.5	4.22				
	992	198	114	260	4.1	1.8	3.89				
	1141	228	99.1	226	4.6	2.0	3.38				
	1308	262	86.7	197	4.7	2.1	2.95				
3.00	10.9	1.8	15611	28320	1.8	1.0	372.21	SK 63 - R150 Z - 145 TC	410	4.8	6.00
	13.5	2.3	12594	28320	2.2	1.0	300.34				
	15.0	2.6	11124	31816	2.9	1.0	265.32				
	19	3.2	8974	25674	3.6	1.3	214.10				
	22	3.7	7576	21656	4.3	1.5	180.57				
	28	4.6	6107	17470	5.4	1.9	145.71				
	31	5.1	5558	15895	5.9	2.1	132.54				
	38	6.3	4522	12939	7.1	2.5	107.89				
	38	6.3	4487	12824	7.3	2.6	106.95				
	47	7.8	3655	10443	7.7	2.7	87.06				
	52	8.7	3248	9293	10.1	3.5	77.46				
	65	10.8	2637	7540	12.3	4.3	62.87				
	9.8	1.6	17319	28320	1.6	1.0	372.21	SK 63 - R196 U/Z - 182 TC	426	4.8	6.00
	12.2	2.0	13974	28320	2.0	1.0	300.34				
	13.8	2.3	12346	32214	2.6	1.0	265.32				
	17	2.8	9956	32214	3.2	1.0	214.10				
	20	3.4	8399	32391	3.9	1.0	180.57				
	25	4.2	6779	26656	4.8	1.2	145.71				
	28	4.6	6168	24249	5.3	1.4	132.54				
	34	5.7	4974	19567	6.6	1.7	106.95				
	42	7.0	4053	15930	7.0	1.8	87.06				
	47	7.9	3602	14169	9.1	2.3	77.46				
	58	9.7	2921	11505	11.1	2.8	62.87				
	47	7.8	3646	10425	3.7	1.3	86.92	SK 52 - R150 Z - 145 TC	289	4.8	6.00
	52	8.6	3292	9416	4.3	1.5	78.56				
	57	9.5	2991	8558	4.7	1.6	71.39				
	68	11.4	2496	7142	5.5	1.9	59.54				
	75	12.6	2257	6452	6.3	2.2	53.81				
	83	13.8	2053	5868	6.8	2.4	48.90				
	101	17	1690	4841	8.6	3.0	40.37				
	106	18	1611	4611	9.2	3.2	38.45				
	42	7.0	4044	13664	3.4	1.0	86.92	SK 52 - R196 U/Z - 182 TC	304	4.8	6.00
	47	7.8	3655	14125	3.9	1.0	78.56				
	51	8.5	3319	13063	4.2	1.1	71.39				
	61	10.2	2770	10894	4.9	1.3	59.54				
	68	11.3	2505	9841	5.6	1.4	53.81				
	75	12.5	2274	8947	6.2	1.6	48.90				
	91	15.0	1876	7381	7.7	2.0	40.37				
	95	16	1788	7036	8.3	2.1	38.45				
	100	17	1708	6708	8.2	2.1	36.69				
	39	6.4	4407	7549	1.7	1.0	105.08	SK 42 - R150 Z - 145 TC	225	4.8	6.00
	48	8.0	3567	7045	2.0	1.0	85.10				
	54	9.0	3142	7549	2.4	1.0	74.87				
	67	11.2	2540	7275	3.1	1.1	60.66				
	80	13.3	2142	6115	3.5	1.2	50.98				
	98	16	1735	4947	4.6	1.6	41.29				



VARIABLE SPEED HELICAL GEARED MOTORS



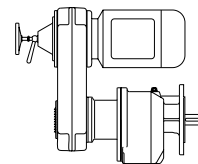
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
3.00	115	19	1478	4230	6.0	2.1	35.25	SK 42 - R150 Z - 145 TC	225	4.8	6.00
	133	22	1274	3655	5.9	2.1	30.46				
	139	23	1230	3513	7.3	2.6	29.29				
	157	26	1089	3106	8.2	2.9	25.88				
	165	27	1035	2956	7.6	2.7	24.67				
	166	28	1027	2929	7.4	2.6	24.41				
	189	31	903	2575	10.4	3.6	21.50				
	35	5.8	4885	7549	1.5	1.0	105.08	SK 42 - R196 U/Z - 182 TC	240	4.8	6.00
	43	7.2	3956	7045	1.8	1.0	85.10				
	49	8.1	3487	7549	2.2	1.0	74.87				
	60	10.1	2823	7983	2.8	1.0	60.66				
	72	12.0	2372	7549	3.2	1.0	50.98				
	89	14.8	1920	7549	4.2	1.1	41.29				
	104	17	1637	6452	5.5	1.4	35.25				
	120	20	1416	5576	5.3	1.4	30.46				
	125	21	1363	5354	6.6	1.7	29.29				
	141	24	1204	4735	7.4	1.9	25.88				
	148	25	1151	4514	6.8	1.7	24.67				
	170	28	1000	3929	9.4	2.4	21.50				
	50	8.3	3407	4531	1.3	1.0	81.27	SK 32 - R150 U/Z - 145 TC	179	4.8	6.00
	56	9.3	3053	4956	1.6	1.0	72.76				
	63	10.5	2690	4531	1.7	1.0	64.26				
	71	11.8	2416	4956	2.1	1.0	57.53				
	88	14.6	1938	4956	2.6	1.0	46.25				
	105	17	1628	3947	2.4	1.0	38.76				
	109	18	1558	4460	3.3	1.2	37.23				
	123	20	1389	3363	2.4	1.0	33.05				
	133	22	1274	3646	3.6	1.2	30.43				
	149	25	1142	3266	4.3	1.5	27.24				
	176	29	974	2770	4.6	1.6	23.12				
	196	33	868	2478	5.7	2.0	20.70				
	217	36	783	2239	6.3	2.2	18.67				
	244	41	698	2000	6.7	2.3	16.66				
	250	42	681	1947	6.6	2.3	16.25				
	270	45	630	1805	7.1	2.5	15.03				
	279	47	610	1743	8.0	2.8	14.55				
	347	58	491	1407	10.1	3.5	11.71				
	73	12.2	2319	2522	1.1	1.0	55.28	SK 22 - R150 U/Z - 145 TC	154	4.8	6.00
	88	14.7	1920	2584	1.3	1.0	45.90				
	95	16	1797	2522	1.4	1.0	42.82				
	114	19	1487	2761	1.9	1.0	35.55				
	117	20	1451	2522	1.7	1.0	34.69				
	141	23	1204	2752	2.3	1.0	28.80				
	164	27	1035	2177	2.1	1.0	24.73				
	171	29	991	2673	2.7	1.0	23.74				
	203	34	840	2398	3.0	1.1	20.03				
	242	40	703	2009	3.6	1.3	16.75				
	276	46	616	1761	4.1	1.4	14.69				
	333	55	512	1460	5.4	1.9	12.20				
	373	62	457	1310	6.0	2.1	10.89				
	479	80	356	1018	6.4	2.3	8.48				
	536	89	318	912	6.9	2.4	7.57				
	592	99	288	823	7.8	2.7	6.86				
	624	104	273	781	7.4	2.6	6.51				
	701	117	242	695	7.8	2.7	5.79				
	784	131	217	621	6.5	2.3	5.18				
	879	146	194	554	6.8	2.4	4.62				
	130	22	1310	1460	1.1	1.0	31.19	SK 12 - R150 U/Z - 145 TC	135	4.8	6.00
	157	26	1089	1212	1.1	1.0	25.92				
	191	32	894	1310	1.5	1.0	21.28				
	216	36	788	1310	1.7	1.0	18.79				

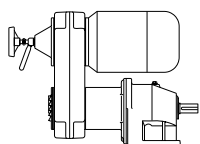


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
3.00	243	40	702	1283	1.8	1.0	16.73	SK 12 - R150 U/Z - 145 TC	135	4.8	6.00
	303	51	561	1292	2.3	1.0	13.39				
	379	63	449	1159	2.6	1.0	10.70				
	421	70	404	1159	2.9	1.0	9.65				
	474	79	359	1027	3.0	1.1	8.56				
	517	86	329	938	3.4	1.2	7.85				
	558	93	305	873	3.4	1.2	7.28				
	622	104	273	783	4.0	1.4	6.53				
	701	117	242	695	4.3	1.5	5.79				
	823	137	207	591	4.9	1.7	4.93				
	904	151	189	538	5.4	1.9	4.49				
	940	157	181	518	5.1	1.8	4.32				
	1020	170	167	477	5.9	2.1	3.98				
	1198	200	142	406	6.6	2.3	3.39				
	1371	229	124	355	7.1	2.5	2.96				
5.00	18	3.0	15939	37613	3.0	1.3	205.61	SK 73 - R196 Z - 184 TC	620	7.6	6.00
	22	3.7	12877	30373	3.9	1.6	166.03				
	40	6.7	7089	16718	6.7	2.8	91.38				
	12.2	2.0	23284	28320	1.2	1.0	300.34	SK 63 - R196 U/Z - 184 TC	441	7.6	6.00
	13.8	2.3	20567	32214	1.6	1.0	265.32				
	17	2.8	16603	32214	1.9	1.0	214.10				
	20	3.4	14001	32391	2.3	1.0	180.57				
	25	4.2	11301	26656	2.9	1.2	145.71				
	28	4.6	10275	24249	3.2	1.4	132.54				
	34	5.7	8292	19567	3.9	1.7	106.95				
	42	7.0	6753	15930	4.2	1.8	87.06				
	47	7.9	6009	14169	5.4	2.3	77.46				
	58	9.7	4876	11505	6.7	2.8	62.87				
	68	11.3	4177	9841	7.8	3.3	53.82				
	72	12.0	3929	9284	8.3	3.5	50.73				
	84	14.0	3363	7947	9.7	4.1	43.43				
	42	7.0	6744	13664	2.0	1.0	86.92	SK 52 - R196 U/Z - 184 TC	320	7.6	6.00
	47	7.8	6089	14125	2.3	1.0	78.56				
	51	8.5	5531	13063	2.5	1.1	71.39				
	61	10.2	4620	10894	3.0	1.3	59.54				
	68	11.3	4168	9841	3.4	1.4	53.81				
	75	12.5	3788	8947	3.7	1.6	48.90				
	91	15.0	3133	7381	4.6	2.0	40.37				
	95	16	2982	7036	4.9	2.1	38.45				
	100	17	2841	6708	4.9	2.1	36.69				
	114	19	2487	5868	5.0	2.1	32.09				
	127	21	2239	5275	7.5	3.2	28.85				
	138	23	2053	4841	6.7	2.8	26.46				
	152	25	1867	4407	7.8	3.3	24.07				
	43	7.2	6602	7045	1.1	1.0	85.10	SK 42 - R196 U/Z - 184 TC	256	7.6	6.00
	49	8.1	5806	7549	1.3	1.0	74.87				
	60	10.1	4699	7983	1.7	1.0	60.66				
	72	12.0	3956	7549	1.9	1.0	50.98				
	89	14.8	3204	7549	2.5	1.1	41.29				
	104	17	2735	6452	3.3	1.4	35.25				
	120	20	2363	5576	3.2	1.4	30.46				
	125	21	2274	5354	4.0	1.7	29.29				
	141	24	2009	4735	4.4	1.9	25.88				
	148	25	1912	4514	4.1	1.7	24.67				
	170	28	1664	3929	5.6	2.4	21.50				
	204	34	1389	3275	6.2	2.6	17.92				
	242	40	1168	2770	6.6	2.8	15.12				
	254	42	1115	2628	6.9	2.9	14.38				
	298	50	956	2248	7.6	3.2	12.28				



VARIABLE SPEED HELICAL GEARED MOTORS



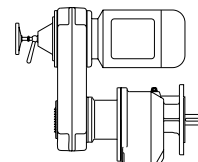
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
5.00	64	10.6	4460	4956	1.1	1.0	57.53	SK 32 - R196 U/Z - 184 TC	207	7.6	6.00
	79	13.2	3584	4956	1.4	1.0	46.25				
	98	16	2885	5186	1.8	1.0	37.23				
	111	18	2567	3363	1.3	1.0	33.05				
	120	20	2363	4531	1.9	1.0	30.43				
	134	22	2115	4947	2.3	1.0	27.24				
	138	23	2062	3859	1.9	1.0	26.57				
	158	26	1797	4230	2.5	1.1	23.12				
	177	29	1602	3788	3.1	1.3	20.70				
	196	33	1451	3416	3.4	1.4	18.67				
	220	37	1292	3044	3.6	1.5	16.66				
	225	38	1257	2974	3.6	1.5	16.25				
	243	41	1168	2752	3.8	1.6	15.03				
	251	42	1124	2664	4.3	1.8	14.55				
	312	52	912	2142	5.4	2.3	11.71				
	373	62	760	1797	6.6	2.8	9.80				
	438	73	648	1531	7.8	3.3	8.36				
	463	77	612	1443	7.8	3.3	7.90				
	519	87	547	1292	3.9	1.6	7.05				
	543	90	522	1230	9.3	3.9	6.74				
	606	101	468	1106	8.9	3.8	6.04				
	642	107	442	1044	10.6	4.5	5.70				
	665	111	427	1009	9.3	3.9	5.50				
	725	121	391	920	10.9	4.6	5.05				
	826	138	343	811	11.9	5.1	4.43				
	976	163	291	686	13.9	5.9	3.75				
5.00	127	21	2230	2752	1.2	1.0	28.80	SK 22 - R196 U/Z - 184 TC	183	7.6	6.00
	148	25	1920	2177	1.1	1.0	24.73				
	154	26	1841	2673	1.5	1.0	23.74				
	183	30	1549	2522	1.6	1.0	20.03				
	218	36	1301	2522	1.9	1.0	16.75				
	249	42	1142	2522	2.2	1.0	14.69				
	300	50	947	2230	2.9	1.2	12.20				
	336	56	844	1991	3.2	1.4	10.89				
	432	72	658	1549	3.5	1.5	8.48				
	483	81	587	1381	3.7	1.6	7.57				
	533	89	532	1257	4.2	1.8	6.86				
	562	94	504	1195	4.0	1.7	6.51				
	632	105	449	1062	4.2	1.8	5.79				
	706	118	402	947	3.5	1.5	5.18				
	792	132	358	845	3.7	1.6	4.62				
	922	154	308	727	4.0	1.7	3.97				
	1037	173	273	646	4.2	1.8	3.53				
	1312	219	216	511	4.7	2.0	2.79				
7.50	17	2.9	24391	61038	3.2	1.3	216.61	SK 83 - R210 Z - 213 TC	897	11	6.00
	28	4.6	15399	38542	4.2	1.7	136.78				
	47	7.8	9080	22718	8.8	3.5	80.62				
	18	3.1	23152	47171	2.0	1.0	205.61	SK 73 - R210 Z - 213 TC	662	11	6.00
	23	3.8	18700	46781	2.7	1.1	166.03				
	41	6.9	10293	25745	4.6	1.8	91.38				
	50	8.4	8434	21098	5.6	2.2	74.87				
	63	10.4	6806	17036	7.3	2.9	60.46				
	14.2	2.4	29878	32214	1.1	1.0	265.32	SK 63 - R210 Z - 213 TC	483	11	6.00
	18	2.9	24107	32214	1.3	1.0	214.10				
	21	3.5	20337	32391	1.6	1.0	180.57				
	26	4.3	16408	32745	2.0	1.0	145.71				
	29	4.8	14921	32745	2.2	1.0	132.54				
	35	5.9	12045	30134	2.7	1.1	106.95				
	43	7.2	9806	24532	2.9	1.2	87.06				
	49	8.1	8726	21824	3.8	1.5	77.46				
	60	10.0	7080	17718	4.6	1.8	62.87				

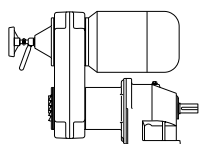


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
7.50	70	11.7	6062	15169	5.4	2.2	53.82	SK 63 - R210 Z - 213 TC	483	11	6.00
	74	12.4	5717	14293	5.7	2.3	50.73				
	87	14.5	4894	12240	6.7	2.7	43.43				
	105	17	4062	10178	8.0	3.2	36.11				
	122	20	3478	8708	9.1	3.6	30.91				
	144	24	2956	7407	9.6	3.8	26.28				
	43	7.2	9788	13664	1.4	1.0	86.92	SK 52 - R210 U/Z - 213 TC	362	11	6.00
	48	8.0	8850	14125	1.6	1.0	78.56				
	53	8.8	8036	14054	1.7	1.0	71.39				
	63	10.6	6708	13682	2.0	1.0	59.54				
	70	11.7	6062	14125	2.3	1.0	53.81				
	77	12.9	5505	13779	2.6	1.0	48.90				
	98	16	4328	10832	3.4	1.4	38.45				
	103	17	4133	10337	3.4	1.4	36.69				
	116	19	3664	9177	2.9	1.1	32.56				
	118	20	3611	9045	3.4	1.4	32.09				
	131	22	3248	8133	5.2	2.1	28.85				
	143	24	2982	7452	4.6	1.8	26.46				
	157	26	2708	6779	5.4	2.1	24.07				
	174	29	2443	6107	5.6	2.2	21.68				
	193	32	2204	5522	6.4	2.6	19.60				
	212	35	2009	5018	7.0	2.8	17.81				
	270	45	1575	3947	10.5	4.2	14.00				
	281	47	1513	3788	9.5	3.8	13.45				
	62	10.4	6832	7983	1.2	1.0	60.66	SK 42 - R210 U/Z - 213 TC	298	11	6.00
	74	12.4	5744	7549	1.3	1.0	50.98				
	92	15.0	4646	7983	1.7	1.0	41.29				
	107	18	3974	8939	2.2	1.0	35.25				
	124	21	3434	7549	2.2	1.0	30.46				
	129	22	3301	8257	2.7	1.1	29.29				
	146	24	2912	7292	3.1	1.2	25.88				
	153	26	2779	6947	2.8	1.1	24.67				
	176	29	2425	6062	3.9	1.5	21.50				
	211	35	2018	5053	4.3	1.7	17.92				
	250	42	1699	4257	4.5	1.8	15.12				
	263	44	1620	4053	4.7	1.9	14.38				
	308	51	1381	3460	5.2	2.1	12.28				
	371	62	1151	2876	6.5	2.6	10.20				
	445	74	956	2398	8.0	3.2	8.50				
	102	17	4195	5186	1.2	1.0	37.23	SK 32 - R210 U/Z - 213 TC	249	11	6.00
	124	21	3425	4531	1.3	1.0	30.43				
	139	23	3071	4947	1.6	1.0	27.24				
	142	24	2991	3859	1.3	1.0	26.57				
	163	27	2602	4522	1.7	1.0	23.12				
	183	30	2328	4947	2.1	1.0	20.70				
	202	34	2106	4947	2.3	1.0	18.67				
	227	38	1876	4691	2.5	1.0	16.66				
	233	39	1832	4531	2.5	1.0	16.25				
	251	42	1690	4239	2.7	1.1	15.03				
	260	43	1637	4098	3.0	1.2	14.55				
	323	54	1319	3301	3.8	1.5	11.71				
	386	64	1106	2761	4.6	1.8	9.80				
	452	75	938	2354	5.4	2.1	8.36				
	478	80	894	2230	5.3	2.1	7.90				
	536	89	794	1982	2.7	1.1	7.05				
	561	93	759	1903	6.4	2.5	6.74				
	626	104	681	1699	6.1	2.5	6.04				
	663	111	642	1602	7.3	2.9	5.70				
	687	115	620	1549	6.4	2.6	5.50				
	748	125	569	1425	7.5	3.0	5.05				
	853	142	499	1248	8.2	3.3	4.43				
	1008	168	422	1053	9.6	3.8	3.75				
	1335	223	319	797	10.8	4.3	2.96				



VARIABLE SPEED HELICAL GEARED MOTORS



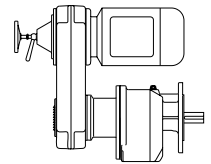
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
10.0	17	2.9	32524	61038	2.4	1.3	216.61	SK 83 - R210 Z - 215 TC	911	14	6.00
	28	4.6	20541	38542	3.2	1.7	136.78				
	47	7.8	12107	22718	6.6	3.5	80.62				
	18	3.1	30869	47171	1.5	1.0	205.61	SK 73 - R210 Z - 215 TC	675	14	6.00
	23	3.8	24930	46781	2.0	1.1	166.03				
	41	6.9	13718	25745	3.4	1.8	91.38				
	50	8.4	11240	21098	4.2	2.2	74.87				
	63	10.4	9080	17036	5.5	2.9	60.46				
	21	3.5	27116	32391	1.2	1.0	180.57	SK 63 - R210 Z - 215 TC	496	14	6.00
	26	4.3	21877	32745	1.5	1.0	145.71				
	29	4.8	19904	32745	1.6	1.0	132.54				
	35	5.8	16196	30400	2.0	1.1	107.89				
	35	5.9	16054	30134	2.0	1.1	106.95				
	43	7.2	13071	24532	2.2	1.2	87.06				
	49	8.1	11629	21824	2.8	1.5	77.46				
	60	10.0	9443	17718	3.4	1.8	62.87				
	70	11.7	8080	15169	4.1	2.2	53.82				
	74	12.4	7620	14293	4.3	2.3	50.73				
	87	14.5	6522	12240	5.0	2.7	43.43				
	105	17	5425	10178	6.0	3.2	36.11				
	122	20	4637	8708	6.9	3.6	30.91				
	144	24	3947	7407	7.2	3.8	26.28				
	48	8.0	11797	14125	1.2	1.0	78.56	SK 52 - R210 U/Z - 215 TC	375	14	6.00
	53	8.8	10717	14054	1.3	1.0	71.39				
	63	10.6	8939	13682	1.5	1.0	59.54				
	70	11.7	8080	14125	1.7	1.0	53.81				
	77	12.9	7346	13779	1.9	1.0	48.90				
	98	16	5770	10832	2.6	1.4	38.45				
	103	17	5505	10337	2.6	1.4	36.69				
	116	19	4885	9177	2.1	1.1	32.56				
	118	20	4814	9045	2.6	1.4	32.09				
	131	22	4328	8133	3.9	2.1	28.85				
	143	24	3974	7452	3.4	1.8	26.46				
	157	26	3611	6779	4.0	2.1	24.07				
	174	29	3257	6107	4.2	2.2	21.68				
	193	32	2947	5522	4.8	2.6	19.60				
	212	35	2673	5018	5.3	2.8	17.81				
	270	45	2106	3947	7.8	4.2	14.00				
	281	47	2018	3788	7.2	3.8	13.45				
	92	15.0	6204	7983	1.3	1.0	41.29	SK 42 - R210 U/Z - 215 TC	311	14	6.00
	107	18	5292	8939	1.7	1.0	35.25				
	124	21	4575	7549	1.6	1.0	30.46				
	129	22	4398	8257	2.0	1.1	29.29				
	146	24	3885	7292	2.3	1.2	25.88				
	153	26	3708	6947	2.1	1.1	24.67				
	176	29	3230	6062	2.9	1.5	21.50				
	211	35	2690	5053	3.2	1.7	17.92				
	250	42	2274	4257	3.4	1.8	15.12				
	263	44	2159	4053	3.6	1.9	14.38				
	308	51	1841	3460	3.9	2.1	12.28				
	371	62	1531	2876	4.9	2.6	10.20				
	445	74	1274	2398	6.0	3.2	8.50				
	139	23	4089	4947	1.2	1.0	27.24	SK 32 - R210 U/Z - 215 TC	262	14	6.00
	163	27	3469	4522	1.3	1.0	23.12				
	183	30	3106	4947	1.6	1.0	20.70				
	202	34	2805	4947	1.8	1.0	18.67				
	227	38	2505	4691	1.9	1.0	16.66				
	233	39	2443	4531	1.9	1.0	16.25				
	251	42	2257	4239	2.0	1.1	15.03				
	260	43	2186	4098	2.2	1.2	14.55				

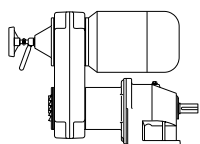


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
10.0	323	54	1761	3301	2.8	1.5	11.71	SK 32 - R210 U/Z - 215 TC	262	14	6.00
	386	64	1469	2761	3.4	1.8	9.80				
	452	75	1257	2354	4.0	2.1	8.36				
	478	80	1186	2230	4.0	2.1	7.90				
	536	89	1062	1982	2.0	1.1	7.05				
	561	93	1009	1903	4.8	2.5	6.74				
	626	104	903	1699	4.6	2.5	6.04				
	663	111	856	1602	5.4	2.9	5.70				
	687	115	826	1549	4.8	2.6	5.50				
	748	125	758	1425	5.6	3.0	5.05				
	853	142	666	1248	6.2	3.3	4.43				
	1008	168	563	1053	7.2	3.8	3.75				
	1335	223	425	797	8.1	4.3	2.96				
15.0	20	3.4	42321	75632	2.9	1.6	187.89	SK 93 - R250 Z - 254 TC	1508	21	6.00
	31	5.1	27709	49533	4.5	2.5	123.05				
	35	5.8	24576	43931	4.2	2.3	109.14				
	40	6.7	21019	37577	5.9	3.3	93.34				
	17	2.9	48781	78677	1.6	1.0	216.61	SK 83 - R250 Z - 254 TC	1114	21	6.00
	23	3.8	37090	66295	2.1	1.2	164.70				
	28	4.6	30807	55056	2.1	1.2	136.78				
	36	6.1	23426	41861	3.5	1.9	104.00				
	47	7.8	18160	32453	4.4	2.4	80.62				
	54	9.0	15824	28276	5.0	2.8	70.24				
	61	10.2	13939	24913	5.7	3.2	61.89				
	23	3.8	37391	49826	1.3	1.0	166.03	SK 73 - R250 U - 254 TC	878	21	6.00
	30	5.1	28055	49737	1.8	1.0	124.57				
	38	6.3	22629	34400	1.6	1.0	100.46				
	41	6.9	20585	36781	2.3	1.3	91.38				
	50	8.4	16859	30134	2.8	1.6	74.87				
	63	10.4	13620	24338	3.7	2.1	60.46				
	72	12.1	11762	21028	4.2	2.3	52.24				
	83	13.8	10284	18381	4.6	2.6	45.66				
	100	17	8478	15151	5.2	2.9	37.63				
	21	3.6	39807	49826	1.3	1.0	166.03	SK 73 - R280 U/Z - 254 TC	895	21	6.00
	28	4.7	29869	49737	1.7	1.0	124.57				
	29	4.8	29833	42595	1.5	1.0	124.41				
	35	5.9	24090	34400	1.5	1.0	100.46				
	39	6.5	21913	47171	2.2	1.0	91.38				
	47	7.9	17948	47171	2.6	1.0	74.87				
	59	9.8	14496	38860	3.4	1.3	60.46				
	68	11.3	12523	33577	3.9	1.5	52.24				
	78	13.0	10947	29347	4.3	1.6	45.66				
	94	16	9018	24187	4.9	1.8	37.63				
	29	4.8	29851	32745	1.1	1.0	132.54	SK 63 - R250 U - 254 TC	673	21	6.00
	35	5.8	24302	32303	1.3	1.0	107.89				
	35	5.9	24090	32745	1.4	1.0	106.95				
	43	7.2	19612	27833	1.4	1.0	87.06				
	49	8.1	17443	31179	1.9	1.1	77.46				
	60	10.0	14160	25311	2.3	1.3	62.87				
	70	11.7	12125	21665	2.7	1.5	53.82				
	74	12.4	11425	20417	2.9	1.6	50.73				
	87	14.5	9779	17479	3.3	1.9	43.43				
	105	17	8133	14532	4.0	2.2	36.11				
	122	20	6965	12443	4.6	2.6	30.91				
	144	24	5921	10576	4.8	2.7	26.28				
	172	29	4947	8850	5.7	3.2	21.98				
	182	30	4682	8363	6.0	3.4	20.77				
	218	36	3912	6992	7.2	4.1	17.37				



VARIABLE SPEED HELICAL GEARED MOTORS



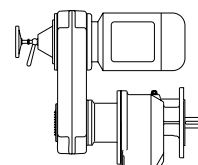
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio	Type	Weight approx. [Lbs]	(460 V) I _N	i _{Regel}
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}			[A]	
15.0	33	5.5	25869	32303	1.2	1.0	107.89	SK 63 - R280 U/Z - 254 TC	690	21	6.00
	41	6.8	20877	27833	1.4	1.0	87.06				
	46	7.6	18576	32745	1.8	1.0	77.46				
	56	9.4	15072	32480	2.2	1.0	62.87				
	66	11.0	12903	32745	2.5	1.0	53.82				
	70	11.7	12160	32612	2.7	1.0	50.73				
	82	13.6	10416	27913	3.1	1.2	43.43				
	98	16	8655	23214	3.8	1.4	36.11				
	115	19	7407	19868	4.3	1.6	30.91				
	135	23	6301	16895	4.5	1.7	26.28				
	162	27	5266	14125	5.4	2.0	21.98				
	171	28	4983	13355	5.7	2.1	20.77				
	204	34	4168	11169	6.8	2.5	17.37				
	70	11.7	12116	14125	1.2	1.0	53.81	SK 52 - R250 U/Z - 254 TC	551	21	6.00
	77	12.9	11009	14054	1.3	1.0	48.90				
	98	16	8664	14762	1.7	1.0	38.45				
	103	17	8266	14054	1.7	1.0	36.69				
	116	19	7337	10443	1.4	1.0	32.56				
	118	20	7230	12328	1.7	1.0	32.09				
	131	22	6496	11611	2.6	1.5	28.85				
	143	24	5956	10655	2.3	1.3	26.46				
	157	26	5425	9691	2.7	1.5	24.07				
	174	29	4885	8726	2.8	1.6	21.68				
	193	32	4416	7894	3.2	1.8	19.60				
	212	35	4009	7169	3.5	2.0	17.81				
	270	45	3151	5637	5.2	2.9	14.00				
	281	47	3027	5416	4.8	2.7	13.45				
	310	52	2744	4912	5.5	3.1	12.20				
	357	60	2381	4257	6.3	3.6	10.58				
	428	71	1991	3558	7.2	4.0	8.83				
	107	18	7938	8939	1.1	1.0	35.25	SK 42 - R250 U/Z - 254 TC	487	21	6.00
	124	21	6859	7549	1.1	1.0	30.46				
	129	22	6593	9000	1.4	1.0	29.29				
	146	24	5832	8939	1.5	1.0	25.88				
	153	26	5558	7877	1.4	1.0	24.67				
	176	29	4841	8655	1.9	1.1	21.50				
	211	35	4036	7213	2.1	1.2	17.92				
	250	42	3407	6089	2.3	1.3	15.12				
	263	44	3239	5788	2.4	1.3	14.38				
	308	51	2770	4947	2.6	1.5	12.28				
	371	62	2301	4106	3.3	1.8	10.20				
	445	74	1912	3425	4.0	2.2	8.50				
	519	87	1637	2929	4.5	2.5	7.28				
	568	95	1496	2673	4.3	2.4	6.65				
	611	102	1398	2496	5.1	2.8	6.19				
	657	110	1292	2319	4.9	2.7	5.75				
	706	118	1204	2151	5.2	2.9	5.35				
	741	124	1151	2053	5.7	3.2	5.10				
	825	138	1035	1841	6.2	3.5	4.58				
	789	131	1080	1929	6.0	3.3	4.79				
	972	162	876	1566	7.1	4.0	3.89				
	1080	180	789	1407	7.3	4.1	3.50				
	1177	196	723	1292	7.6	4.2	3.21				
	1251	209	681	1212	7.8	4.4	3.02				
20.0	17	2.9	66322	133361	3.1	1.5	207.47	SK 103 - R280 Z - 256 TC	2026	27	6.00
	26	4.3	43639	87748	4.7	2.3	136.51				
	19	3.1	61047	166380	3.4	1.2	207.47	SK 103 - R300 U/Z - 256 TC	2086	27	6.00
	28	4.7	40161	109475	5.1	1.9	136.51				

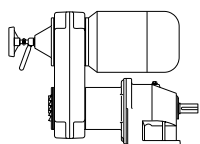
VARIABLE SPEED HELICAL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
20.0	19	3.1	60065	120776	2.1	1.0	187.89	SK 93 - R280 Z - 256 TC	1544	27	6.00
	29	4.8	39338	79101	3.1	1.6	123.05				
	33	5.4	34887	70154	2.9	1.5	109.14				
	38	6.3	29842	60003	4.2	2.1	93.34				
	49	8.2	23169	46586	5.1	2.5	72.47				
	21	3.4	55286	123723	2.2	1.0	187.89	SK 93 - R300 U/Z - 256 TC	1603	27	6.00
	31	5.2	36205	98678	3.4	1.3	123.05				
	35	5.9	32108	87527	3.2	1.2	109.14				
	41	6.9	27462	74853	4.5	1.7	93.34				
	16	2.7	69251	78677	1.1	1.0	216.61	SK 83 - R280 Z - 256 TC	1149	27	6.00
	22	3.6	52649	79031	1.5	1.0	164.70				
	26	4.3	43728	65313	1.5	1.0	136.78				
	34	5.7	33249	66853	2.4	1.2	104.00				
	44	7.3	25771	51826	3.1	1.5	80.62				
	51	8.4	22452	45153	3.5	1.8	70.24				
	57	9.6	19789	39781	4.0	2.0	61.89				
	69	11.5	16470	33108	4.8	2.4	51.51				
	80	13.3	14187	28524	5.5	2.8	44.38				
	91	15.0	12496	25125	6.4	3.2	39.08				
	18	3.0	63729	78677	1.2	1.0	216.61	SK 83 - R300 U/Z - 256 TC	1208	27	6.00
	23	3.9	48463	79031	1.6	1.0	164.70				
	28	4.7	40241	65313	1.6	1.0	136.78				
	37	6.2	30603	81243	2.7	1.0	104.00				
	48	8.0	23718	64658	3.4	1.2	80.62				
	55	9.2	20665	56330	3.8	1.4	70.24				
	62	10.4	18213	49631	4.4	1.6	61.89				
	75	12.5	15160	41312	5.2	1.9	51.51				
	87	14.5	13054	35595	6.0	2.2	44.38				
	28	4.7	39825	49737	1.2	1.0	124.57	SK 73 - R280 U/Z - 256 TC	913	27	6.00
	35	5.9	32117	34400	1.1	1.0	100.46				
	39	6.5	29214	47171	1.6	1.0	91.38				
	47	7.9	23939	47171	2.0	1.0	74.87				
	59	9.8	19328	38860	2.6	1.3	60.46				
	68	11.3	16700	33577	2.9	1.5	52.24				
	78	13.0	14594	29347	3.3	1.6	45.66				
	94	16	12027	24187	3.7	1.8	37.63				
	107	18	10629	21364	4.2	2.1	33.24				
	125	21	9054	18204	4.9	2.4	28.32				
	152	25	7461	15001	5.9	2.9	23.34				
	46	7.6	24762	32745	1.3	1.0	77.46	SK 63 - R280 U/Z - 256 TC	708	27	6.00
	56	9.4	20098	32480	1.6	1.0	62.87				
	66	11.0	17204	32745	1.9	1.0	53.82				
	70	11.7	16222	32612	2.0	1.0	50.73				
	82	13.6	13886	27913	2.3	1.2	43.43				
	98	16	11540	23214	2.8	1.4	36.11				
	115	19	9885	19868	3.2	1.6	30.91				
	135	23	8399	16895	3.4	1.7	26.28				
	162	27	7027	14125	4.0	2.0	21.98				
	171	28	6638	13355	4.3	2.1	20.77				
	204	34	5549	11169	5.1	2.5	17.37				
	225	37	5053	10160	5.3	2.6	15.80	SK 62 - R280 U/Z - 256 TC	739	27	6.00
	255	43	4452	8947	6.1	3.0	13.92				
	306	51	3708	7452	7.3	3.7	11.59				
	88	14.7	12903	14496	1.1	1.0	40.37	SK 52 - R280 U/Z - 256 TC	587	27	6.00
	92	15.0	12293	14762	1.2	1.0	38.45				
	97	16	11726	14054	1.2	1.0	36.69				
	111	18	10257	12328	1.2	1.0	32.09				
	123	21	9222	16868	1.8	1.0	28.85				



VARIABLE SPEED HELICAL GEARED MOTORS



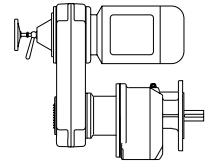
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
20.0	134	22	8461	13682	1.6	1.0	26.46	SK 52 - R280 U/Z - 256 TC	587	27	6.00
	147	25	7691	14549	1.9	1.0	24.07				
	164	27	6930	13673	2.0	1.0	21.68				
	181	30	6266	12602	2.3	1.1	19.60				
	199	33	5691	11452	2.5	1.2	17.81				
	254	42	4478	9000	3.7	1.8	14.00				
	264	44	4301	8646	3.4	1.7	13.45				
	291	48	3903	7841	3.8	1.9	12.20				
	336	56	3381	6797	4.5	2.2	10.58				
	402	67	2823	5673	5.1	2.5	8.83				
	461	77	2460	4947	5.6	2.8	7.70				
	488	81	2328	4673	5.8	2.9	7.27				
	553	92	2053	4124	6.3	3.1	6.42				
	613	102	1850	3726	6.2	3.1	5.79				
	634	106	1788	3602	6.3	3.1	5.60				
	770	128	1478	2965	6.9	3.5	4.61				
	870	145	1301	2620	7.4	3.7	4.08				
	967	161	1177	2363	7.7	3.8	3.67				
	1044	174	1089	2186	8.0	4.0	3.40				
25.0	19	3.1	76305	166380	2.7	1.2	207.47	SK 103 - R300 Z - 284 TC	2137	34	6.00
	28	4.7	50206	109475	4.1	1.9	136.51				
	47	7.9	29940	65278	6.1	2.8	81.40				
	21	3.4	69101	123723	1.8	1.0	187.89	SK 93 - R300 Z - 284 TC	1654	34	6.00
	31	5.2	45259	98678	2.7	1.3	123.05				
	35	5.9	40144	87527	2.5	1.2	109.14				
	41	6.9	34329	74853	3.6	1.7	93.34				
	53	8.9	26656	58118	4.4	2.0	72.47				
	63	10.4	22665	49427	5.0	2.3	61.63				
	72	11.9	19789	43144	5.5	2.5	53.80				
	23	3.9	60578	79031	1.3	1.0	164.70	SK 83 - R300 U/Z - 284 TC	1259	34	6.00
	28	4.7	50303	65313	1.3	1.0	136.78				
	37	6.2	38250	81243	2.1	1.0	104.00				
	48	8.0	29648	64658	2.7	1.2	80.62				
	55	9.2	25833	56330	3.1	1.4	70.24				
	62	10.4	22762	49631	3.5	1.6	61.89				
	75	12.5	18948	41312	4.2	1.9	51.51				
	87	14.5	16319	35595	4.8	2.2	44.38				
	99	16	14372	31338	5.5	2.5	39.08				
	119	20	11956	26081	6.3	2.9	32.52				
	138	23	10310	22479	7.0	3.2	28.03				
	158	26	8983	19585	7.9	3.6	24.42				
	31	5.2	45816	49737	1.1	1.0	124.57	SK 73 - R300 U/Z - 284 TC	1023	34	6.00
	42	7.0	33612	47171	1.4	1.0	91.38				
	52	8.6	27532	47171	1.7	1.0	74.87				
	64	10.6	22240	48489	2.2	1.0	60.46				
	74	12.3	19213	41896	2.6	1.2	52.24				
	84	14.1	16797	36621	2.8	1.3	45.66				
	103	17	13841	30179	3.2	1.5	37.63				
	116	19	12222	26656	3.6	1.7	33.24				
	136	23	10416	22709	4.2	1.9	28.32				
	165	28	8585	18718	5.2	2.4	23.34				
	187	31	7584	16541	5.8	2.7	20.62				
	214	36	6620	14434	6.7	3.1	18.00				
	50	8.3	28488	32745	1.1	1.0	77.46	SK 63 - R300 U/Z - 284 TC	816	34	6.00
	61	10.2	23125	32480	1.4	1.0	62.87				
	72	11.9	19797	32745	1.7	1.0	53.82				
	76	12.7	18656	32745	1.8	1.0	50.73				
	89	14.8	15974	32568	2.0	1.0	43.43				
	107	18	13284	28957	2.5	1.1	36.11				

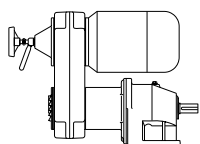


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
25.0	125	21	11372	24789	2.8	1.3	30.91	SK 63 - R300 U/Z - 284 TC	816	34	6.00
	147	24	9664	21072	2.9	1.3	26.28				
	175	29	8080	17629	3.5	1.6	21.98				
	186	31	7638	16656	3.7	1.7	20.77				
	222	37	6390	13930	4.4	2.0	17.37				
	244	41	5814	12673	4.6	2.1	15.80	SK 62 - R300 U/Z - 284 TC	849	34	6.00
	277	46	5115	11160	5.3	2.4	13.92				
	333	55	4266	9293	6.4	2.9	11.59				
	366	61	3876	8461	7.1	3.2	10.55				
	134	22	10611	16868	1.6	1.0	28.85	SK 52 - R300 U/Z - 284 TC	695	34	6.00
	146	24	9735	13682	1.4	1.0	26.46				
	160	27	8850	14549	1.6	1.0	24.07				
	178	30	7974	13673	1.7	1.0	21.68				
	197	33	7213	14125	2.0	1.0	19.60				
	217	36	6549	14054	2.1	1.0	17.81				
	276	46	5151	11231	3.2	1.5	14.00				
	287	48	4947	10788	2.9	1.3	13.45				
	316	53	4487	9788	3.3	1.5	12.20				
	365	61	3894	8487	3.9	1.8	10.58				
	437	73	3248	7080	4.4	2.0	8.83				
	501	83	2832	6177	4.8	2.2	7.70				
	531	88	2673	5832	5.0	2.3	7.27				
	601	100	2363	5151	5.4	2.5	6.42				
	689	115	2062	4487	5.5	2.5	5.60				
	837	139	1699	3699	6.0	2.8	4.61				
	945	158	1505	3275	6.4	3.0	4.08				
30.0	19	3.1	91562	166380	2.2	1.2	207.47	SK 103 - R300 Z - 286 TC	2159	40	6.00
	28	4.7	60251	109475	3.4	1.9	136.51				
	47	7.9	35922	65278	5.1	2.8	81.40				
	21	3.4	82925	123723	1.5	1.0	187.89	SK 93 - R300 Z - 286 TC	1676	40	6.00
	31	5.2	54304	98678	2.3	1.3	123.05				
	35	5.9	48171	87527	2.1	1.2	109.14				
	41	6.9	41197	74853	3.0	1.7	93.34				
	53	8.9	31984	58118	3.7	2.0	72.47				
	63	10.4	27196	49427	4.1	2.3	61.63				
	72	11.9	23745	43144	4.6	2.5	53.80				
	23	3.9	72685	79031	1.1	1.0	164.70	SK 83 - R300 U/Z - 286 TC	1281	40	6.00
	28	4.7	60366	65313	1.1	1.0	136.78				
	37	6.2	45896	81243	1.8	1.0	104.00				
	48	8.0	35577	64658	2.2	1.2	80.62				
	55	9.2	31002	56330	2.6	1.4	70.24				
	62	10.4	27311	49631	2.9	1.6	61.89				
	75	12.5	22736	41312	3.5	1.9	51.51				
	87	14.5	19585	35595	4.0	2.2	44.38				
	99	16	17249	31338	4.6	2.5	39.08				
	119	20	14355	26081	5.3	2.9	32.52				
	138	23	12372	22479	5.8	3.2	28.03				
	158	26	10779	19585	6.6	3.6	24.42				
	42	7.0	40329	47171	1.2	1.0	91.38	SK 73 - R300 U/Z - 286 TC	1045	40	6.00
	52	8.6	33046	47171	1.4	1.0	74.87				
	64	10.6	26683	48489	1.9	1.0	60.46				
	74	12.3	23054	41896	2.1	1.2	52.24				
	84	14.1	20151	36621	2.4	1.3	45.66				
	103	17	16611	30179	2.7	1.5	37.63				
	116	19	14673	26656	3.0	1.7	33.24				
	136	23	12496	22709	3.5	1.9	28.32				
	165	28	10301	18718	4.3	2.4	23.34				
	187	31	9098	16541	4.9	2.7	20.62				
	214	36	7947	14434	5.6	3.1	18.00				



VARIABLE SPEED HELICAL GEARED MOTORS



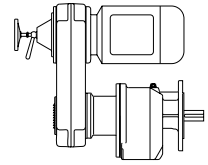
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
30.0	61	10.2	27745	32480	1.2	1.0	62.87	SK 63 - R300 U/Z - 286 TC	838	40	6.00
	72	11.9	23753	32745	1.4	1.0	53.82				
	76	12.7	22391	32745	1.5	1.0	50.73				
	89	14.8	19169	32568	1.7	1.0	43.43				
	107	18	15939	28957	2.0	1.1	36.11				
	125	21	13638	24789	2.3	1.3	30.91				
	147	24	11602	21072	2.4	1.3	26.28				
	175	29	9700	17629	2.9	1.6	21.98				
	186	31	9169	16656	3.1	1.7	20.77				
	222	37	7664	13930	3.7	2.0	17.37				
	244	41	6974	12673	3.8	2.1	15.80				
	277	46	6142	11160	4.4	2.4	13.92				
30.0	333	55	5115	9293	5.3	2.9	11.59	SK 62 - R300 U/Z - 286 TC	871	40	6.00
	366	61	4655	8461	5.9	3.2	10.55				
	134	22	12735	16868	1.3	1.0	28.85	SK 52 - R300 U/Z - 286 TC	717	40	6.00
	146	24	11682	13682	1.2	1.0	26.46				
	160	27	10620	14549	1.4	1.0	24.07				
	178	30	9567	13673	1.4	1.0	21.68				
	197	33	8646	14125	1.6	1.0	19.60				
	217	36	7859	14054	1.8	1.0	17.81				
	276	46	6177	11231	2.7	1.5	14.00				
	287	48	5938	10788	2.4	1.3	13.45				
	316	53	5381	9788	2.8	1.5	12.20				
	365	61	4673	8487	3.2	1.8	10.58				
	437	73	3894	7080	3.7	2.0	8.83				
40.0	501	83	3398	6177	4.0	2.2	7.70	SK 103 - R350 Z - 200L/4	2220	45	6.00
	531	88	3213	5832	4.2	2.3	7.27				
	601	100	2832	5151	4.5	2.5	6.42				
	689	115	2469	4487	4.6	2.5	5.60				
	837	139	2036	3699	5.0	2.8	4.61				
	945	158	1797	3275	5.4	3.0	4.08				
	19	3.1	121652	204966	1.7	1.0	207.47	SK 93 - R350 Z - 200L/4	1738	45	6.00
	28	4.7	80048	196718	2.5	1.0	136.51				
	48	7.9	47728	117298	3.8	1.5	81.40				
	55	9.2	41268	101421	4.3	1.7	70.38				
	64	10.6	35595	87482	5.0	2.0	60.71				
	21	3.4	110174	123723	1.1	1.0	187.89				
	31	5.2	72154	123458	1.7	1.0	123.05				
	35	5.9	63994	102306	1.6	1.0	109.14				
	41	6.9	54728	123900	2.3	1.0	93.34				
	53	8.9	42498	104430	2.8	1.1	72.47				
	63	10.5	36135	88810	3.1	1.3	61.63				
	72	12.0	31550	77526	3.4	1.4	53.80				
40.0	124	21	18328	45029	5.9	2.4	31.25	SK 83 - R350 U/Z - 200L/4	1343	45	6.00
	37	6.2	60985	81243	1.3	1.0	104.00				
	48	8.0	47277	79473	1.7	1.0	80.62				
	55	9.2	41188	79296	1.9	1.0	70.24				
	63	10.4	36294	79650	2.2	1.0	61.89				
	75	12.5	30205	74225	2.6	1.1	51.51				
	87	14.5	26019	63950	3.0	1.2	44.38				
	99	17	22913	56313	3.5	1.4	39.08				
	119	20	19072	46861	4.0	1.6	32.52				
	138	23	16434	40391	4.4	1.8	28.03				
	159	26	14319	35188	4.9	2.0	24.42				
	184	31	12337	30320	5.7	2.3	21.04				
40.0	234	39	9708	23860	6.0	2.4	16.56	SK 82 - R350 U/Z - 200L/4	1325	45	6.00
	271	45	8381	20594	6.9	2.8	14.29				

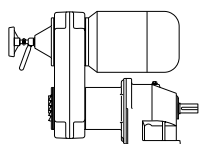


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
40.0	52	8.6	43905	47171	1.1	1.0	74.87	SK 73 - R350 U/Z - 200L/4	1107	45	6.00
	64	10.7	35453	50003	1.4	1.0	60.46				
	74	12.3	30630	49206	1.6	1.0	52.24				
	85	14.1	26771	47525	1.8	1.0	45.66				
	103	17	22063	44250	2.0	1.0	37.63				
	116	19	19488	44250	2.3	1.0	33.24				
	137	23	16603	40807	2.7	1.1	28.32				
	166	28	13682	33630	3.2	1.3	23.34				
	188	31	12089	29718	3.7	1.5	20.62				
	215	36	10558	25939	4.2	1.7	18.00				
	230	38	9885	24293	3.6	1.5	16.86	SK 72 - R350 U/Z - 200L/4	1085	45	6.00
	270	45	8399	20647	4.3	1.7	14.33				
	309	52	7346	18045	4.9	2.0	12.52				
	357	60	6354	15620	6.5	2.6	10.84				
	409	68	5549	13629	7.5	3.1	9.46				
	76	12.7	29745	32745	1.1	1.0	50.73	SK 63 - R350 U/Z - 200L/4	900	45	6.00
	89	14.9	25470	32568	1.3	1.0	43.43				
	107	18	21178	32657	1.5	1.0	36.11				
	125	21	18125	31772	1.8	1.0	30.91				
	147	25	15408	28320	1.8	1.0	26.28				
	176	29	12886	28320	2.2	1.0	21.98				
	186	31	12178	28320	2.3	1.0	20.77				
	223	37	10186	25028	2.8	1.1	17.37				
	245	41	9266	22771	2.9	1.2	15.80	SK 62 - R350 U/Z - 200L/4	933	45	6.00
	278	46	8160	20063	3.3	1.4	13.92				
	334	56	6797	16700	4.0	1.6	11.59				
	367	61	6186	15204	4.4	1.8	10.55				
	441	73	5151	12656	5.2	2.1	8.78				
	512	85	4434	10894	6.2	2.5	7.56				
	610	102	3726	9151	4.6	1.9	6.35				
	732	122	3098	7620	5.4	2.2	5.29				
	849	141	2673	6576	6.9	2.8	4.56				
	179	30	12709	13673	1.1	1.0	21.68	SK 52 - R350 U/Z - 200L/4	778	45	6.00
	197	33	11496	14125	1.2	1.0	19.60				
	217	36	10443	14054	1.3	1.0	17.81				
	276	46	8213	16470	2.0	1.0	14.00				
	288	48	7885	14434	1.8	1.0	13.45				
	317	53	7151	15001	2.1	1.0	12.20				
	366	61	6204	15116	2.4	1.0	10.58				
	438	73	5177	12726	2.8	1.1	8.83				
	503	84	4514	11098	3.0	1.2	7.70				
	532	89	4266	10478	3.1	1.3	7.27				
	603	100	3761	9248	3.4	1.4	6.42				
	691	115	3283	8071	3.4	1.4	5.60				
	840	140	2699	6646	3.8	1.5	4.61				
	949	158	2390	5876	4.0	1.6	4.08				
50.0	14.9	3.0	190151	204966	1.1	1.0	207.47	SK 103 - R375 U/Z - 225S/4	2604	62	5.00
	23	4.5	125112	203550	1.6	1.0	136.51				
	28	5.5	103138	204966	2.0	1.0	112.53				
	38	7.6	74606	177788	2.4	1.0	81.40				
	44	8.8	64508	153716	2.7	1.2	70.38				
	51	10.2	55640	132600	3.2	1.3	60.71				
	58	11.7	48560	115714	3.6	1.5	52.98				
	68	13.7	41471	98828	4.3	1.8	45.25				
	105	21	27143	64694	6.5	2.7	29.62				
	122	24	23187	55259	7.6	3.2	25.30				
	25	5.0	112776	123458	1.1	1.0	123.05	SK 93 - R375 U/Z - 225S/4	2121	62	5.00
	43	8.5	66419	118590	1.8	1.0	72.47				



VARIABLE SPEED HELICAL GEARED MOTORS



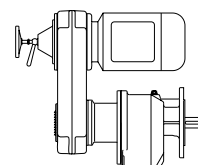
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
50.0	50	10.0	56481	112395	2.0	1.0	61.63	SK 93 - R375 U/Z - 225S/4	2121	62	5.00
	58	11.5	49312	108413	2.2	1.0	53.80				
	66	13.3	42684	101713	2.5	1.1	46.57				
	78	16	36241	86358	3.0	1.3	39.54				
	99	20	28639	68251	3.8	1.6	31.25				
	114	23	24789	59083	4.4	1.8	27.05				
	135	27	21054	50171	5.1	2.2	22.97				
	188	38	15098	35975	6.2	2.6	16.47	SK 92 - R375 U/Z - 225S/4	2097	62	5.00
	216	43	13160	31364	7.2	3.0	14.36				
	250	50	11355	27063	8.3	3.5	12.39				
	38	7.7	73889	79473	1.1	1.0	80.62	SK 83 - R375 U/Z - 225S/4	1727	62	5.00
	44	8.8	64375	79296	1.2	1.0	70.24				
	50	10.0	56720	79650	1.4	1.0	61.89				
	60	12.0	47206	79031	1.7	1.0	51.51				
	70	14.0	40675	78677	1.9	1.0	44.38				
	79	16	35816	79650	2.2	1.0	39.08				
	95	19	29807	71030	2.5	1.1	32.52				
	110	22	25692	61224	2.8	1.2	28.03				
	127	25	22382	53339	3.2	1.3	24.42				
	147	29	19284	45958	3.7	1.5	21.04				
	187	37	15178	36170	3.8	1.6	16.56	SK 82 - R375 U/Z - 225S/4	1709	62	5.00
	217	43	13098	31214	4.4	1.9	14.29				
	261	52	10850	25860	5.8	2.4	11.84				
	300	60	9470	22559	6.4	2.7	10.33				
	68	13.6	41852	47525	1.1	1.0	45.66	SK 73 - R375 U/Z - 225S/4	1491	62	5.00
	82	16	34488	44250	1.3	1.0	37.63				
	93	19	30462	44250	1.5	1.0	33.24				
	109	22	25957	44250	1.7	1.0	28.32				
	133	27	21390	44250	2.1	1.0	23.34				
	150	30	18895	44250	2.3	1.0	20.62				
	172	34	16496	39312	2.7	1.1	18.00				
	184	37	15452	35869	2.3	1.0	16.86	SK 72 - R375 U/Z - 225S/4	1469	62	5.00
	216	43	13133	31302	2.7	1.1	14.33				
	247	49	11478	27347	3.1	1.3	12.52				
	286	57	9939	23674	4.2	1.7	10.84				
	327	65	8673	20665	4.8	2.0	9.46				
	378	76	7505	17886	5.5	2.3	8.19				
	445	89	6372	15178	6.0	2.5	6.95				
	482	96	5885	14018	4.2	1.7	6.42				
	553	111	5133	12231	4.9	2.0	5.60				
	638	128	4443	10593	5.8	2.4	4.85				
	751	150	3779	9000	6.3	2.6	4.12				
	171	34	16629	27231	1.6	1.0	18.14	SK 62 - R375 U/Z - 225S/4	1316	62	5.00
	196	39	14479	26585	1.8	1.0	15.80				
	222	44	12762	27258	2.1	1.0	13.92				
	267	53	10620	25311	2.6	1.1	11.59				
	293	59	9673	23045	2.8	1.2	10.55				
	353	71	8045	19178	3.3	1.4	8.78				
	409	82	6930	16514	4.0	1.7	7.56				
	460	92	6168	14700	4.1	1.7	6.73				
	488	98	5823	13868	2.9	1.2	6.35				
	565	113	5027	11965	4.3	1.8	5.48				
	585	117	4850	11558	3.4	1.4	5.29				
	679	136	4177	9956	4.4	1.8	4.56				
	764	153	3708	8850	4.5	1.9	4.05				
	792	158	3584	8540	5.0	2.1	3.91				
	832	166	3407	8124	5.3	2.2	3.72				
	938	188	3027	7204	5.8	2.4	3.30				

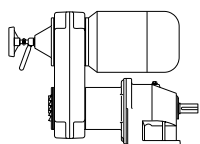


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
60.0	23	4.5	150131	203550	1.4	1.0	136.51	SK 103 - R375 U/Z - 225M/4	2677	71	5.00
	28	5.5	123758	204966	1.7	1.0	112.53				
	38	7.6	89527	177788	2.0	1.0	81.40				
	44	8.8	77402	153716	2.3	1.2	70.38				
	51	10.2	66773	132600	2.7	1.3	60.71				
	58	11.7	58268	115714	3.0	1.5	52.98				
	68	13.7	49764	98828	3.6	1.8	45.25				
	105	21	32577	64694	5.4	2.7	29.62				
	122	24	27824	55259	6.4	3.2	25.30				
	43	8.5	79703	118590	1.5	1.0	72.47	SK 93 - R375 U/Z - 225M/4	2194	71	5.00
	50	10.0	67782	112395	1.7	1.0	61.63				
	58	11.5	59171	108413	1.8	1.0	53.80				
	66	13.3	51215	101713	2.1	1.1	46.57				
	78	16	43489	86358	2.5	1.3	39.54				
	99	20	34373	68251	3.1	1.6	31.25				
	114	23	29754	59083	3.6	1.8	27.05				
	135	27	25267	50171	4.3	2.2	22.97				
	188	38	18116	35975	5.2	2.6	16.47	SK 92 - R375 U/Z - 225M/4	2170	71	5.00
	216	43	15797	31364	6.0	3.0	14.36				
	250	50	13629	27063	6.9	3.5	12.39				
	50	10.0	68065	79650	1.2	1.0	61.89	SK 83 - R375 U/Z - 225M/4	1799	71	5.00
	60	12.0	56649	79031	1.4	1.0	51.51				
	70	14.0	48808	78677	1.6	1.0	44.38				
	79	16	42984	79650	1.9	1.0	39.08				
	95	19	35763	71030	2.1	1.1	32.52				
	110	22	30825	61224	2.3	1.2	28.03				
	127	25	26860	53339	2.6	1.3	24.42				
	147	29	23143	45958	3.1	1.5	21.04				
	187	37	18213	36170	3.2	1.6	16.56	SK 82 - R375 U/Z - 225M/4	1782	71	5.00
	217	43	15718	31214	3.7	1.9	14.29				
	261	52	13018	25860	4.9	2.4	11.84				
	300	60	11363	22559	5.3	2.7	10.33				
	82	16	41383	44250	1.1	1.0	37.63	SK 73 - R375 U/Z - 225M/4	1563	71	5.00
	93	19	36559	44250	1.2	1.0	33.24				
	109	22	31143	44250	1.4	1.0	28.32				
	133	27	25674	44250	1.7	1.0	23.34				
	150	30	22683	44250	2.0	1.0	20.62				
	172	34	19797	39312	2.2	1.1	18.00				
	184	37	18541	35869	1.9	1.0	16.86	SK 72 - R375 U/Z - 225M/4	1541	71	5.00
	216	43	15762	31302	2.3	1.1	14.33				
	247	49	13771	27347	2.6	1.3	12.52				
	286	57	11921	23674	3.5	1.7	10.84				
	327	65	10408	20665	4.0	2.0	9.46				
	378	76	9009	17886	4.6	2.3	8.19				
	445	89	7646	15178	5.0	2.5	6.95				
	482	96	7062	14018	3.5	1.7	6.42				
	553	111	6160	12231	4.1	2.0	5.60				
	638	128	5337	10593	4.8	2.4	4.85				
	751	150	4531	9000	5.2	2.6	4.12				
	171	34	19948	27231	1.4	1.0	18.14	SK 62 - R375 U/Z - 225M/4	1389	71	5.00
	196	39	17381	26585	1.5	1.0	15.80				
	222	44	15311	27258	1.8	1.0	13.92				
	267	53	12744	25311	2.1	1.1	11.59				
	293	59	11602	23045	2.4	1.2	10.55				
	353	71	9655	19178	2.8	1.4	8.78				
	409	82	8319	16514	3.3	1.7	7.56				
	460	92	7399	14700	3.4	1.7	6.73				



VARIABLE SPEED HELICAL GEARED MOTORS



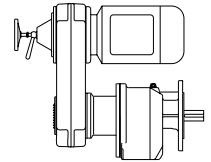
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
60.0	488	98	6983	13868	2.4	1.2	6.35	SK 62 - R375 U/Z - 225M/4	1389	71	5.00
	565	113	6027	11965	3.6	1.8	5.48				
	585	117	5814	11558	2.9	1.4	5.29				
	679	136	5018	9956	3.7	1.8	4.56				
	764	153	4452	8850	3.7	1.9	4.05				
	792	158	4301	8540	4.1	2.1	3.91				
	832	166	4089	8124	4.4	2.2	3.72				
	938	188	3629	7204	4.8	2.4	3.30				
75.0	23	4.5	187894	203550	1.1	1.0	136.51	SK 103 - R400 Z - 250M/4	3083	85	5.00
	27	5.5	154884	204966	1.3	1.0	112.53				
	38	7.6	112041	181425	1.6	1.0	81.40				
	44	8.8	96872	177000	1.8	1.0	70.38				
	51	10.2	83562	153503	2.1	1.2	60.71				
	58	11.7	72924	133954	2.4	1.3	52.98				
	68	13.7	62286	114413	2.8	1.5	45.25				
	104	21	40772	74889	4.3	2.4	29.62				
	122	24	34825	63968	5.1	2.8	25.30				
	80	16	53419	98129	2.7	1.4	38.81	SK 102 - R400 Z - 250M/4	3063	85	5.00
	160	32	26665	48976	5.6	3.0	19.37				
	186	37	22886	42046	6.7	3.7	16.63				
	43	8.5	99748	118590	1.2	1.0	72.47	SK 93 - R400 U/Z - 250M/4	2600	85	5.00
	50	10.0	84827	112395	1.3	1.0	61.63				
	57	11.5	74048	108413	1.5	1.0	53.80				
	66	13.3	64101	107970	1.7	1.0	46.57				
	78	16	54428	99970	2.0	1.1	39.54				
	99	20	43011	79013	2.5	1.4	31.25				
	114	23	37232	68393	2.9	1.6	27.05				
	135	27	31612	58074	3.4	1.9	22.97				
	188	38	22674	41639	4.1	2.3	16.47	SK 92 - R400 U/Z - 250M/4	2575	85	5.00
	215	43	19762	36312	4.8	2.6	14.36				
	250	50	17054	31329	5.5	3.0	12.39				
	60	12.0	70897	79031	1.1	1.0	51.51	SK 83 - R400 U/Z - 250M/4	2205	85	5.00
	70	13.9	61083	78677	1.3	1.0	44.38				
	79	16	53790	79650	1.5	1.0	39.08				
	95	19	44763	75668	1.7	1.0	32.52				
	110	22	38577	70871	1.9	1.0	28.03				
	127	25	33612	61746	2.1	1.1	24.42				
	147	29	28957	53197	2.4	1.3	21.04				
	187	37	22798	41869	2.6	1.4	16.56	SK 82 - R400 U/Z - 250M/4	2187	85	5.00
	216	43	19665	36135	3.0	1.6	14.29				
	261	52	16293	29940	3.9	2.1	11.84				
	299	60	14222	26116	4.3	2.3	10.33				
	351	70	12142	22302	4.8	2.6	8.82				
	109	22	38984	44250	1.1	1.0	28.32	SK 73 - R400 U/Z - 250M/4	1969	85	5.00
	132	26	32126	44250	1.4	1.0	23.34				
	150	30	28382	44250	1.6	1.0	20.62				
	172	34	24771	44250	1.8	1.0	18.00				
	183	37	23205	35869	1.5	1.0	16.86	SK 72 - R400 U/Z - 250M/4	1947	85	5.00
	216	43	19727	35869	1.8	1.0	14.33				
	247	49	17231	31656	2.1	1.1	12.52				
	285	57	14921	27408	2.8	1.5	10.84				
	327	65	13018	23922	3.2	1.7	9.46				
	378	76	11275	20709	3.7	2.0	8.19				
	445	89	9567	17576	4.0	2.2	6.95				
	482	96	8832	16231	2.8	1.5	6.42				
	552	110	7708	14160	3.3	1.8	5.60				
	638	128	6673	12266	3.9	2.1	4.85				
	750	150	5673	10416	4.2	2.3	4.12				
	801	160	5310	9762	4.3	2.3	3.86				

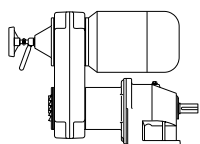


VARIABLE SPEED HELICAL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE



P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
75.0	170	34	24966	27231	1.1	1.0	18.14	SK 62 - R400 U/Z - 250M/4	1795	85	5.00
	196	39	21744	26585	1.2	1.0	15.80				
	222	44	19160	27258	1.4	1.0	13.92				
	267	53	15957	27231	1.7	1.0	11.59				
	293	59	14523	26674	1.9	1.0	10.55				
	352	70	12089	22196	2.2	1.2	8.78				
	409	82	10408	19116	2.7	1.4	7.56				
	459	92	9266	17019	2.7	1.5	6.73				
	487	97	8744	16054	2.0	1.1	6.35				
	564	113	7540	13859	2.9	1.6	5.48				
	584	117	7284	13372	2.3	1.2	5.29				
	678	136	6275	11532	2.9	1.6	4.56				
	763	153	5576	10239	3.0	1.6	4.05				
	791	158	5381	9885	3.3	1.8	3.91				
	831	166	5124	9408	3.5	1.9	3.72				
	937	187	4540	8346	3.9	2.1	3.30				
100.0	39	9.8	144051	177000	1.2	1.0	60.71	SK 103 - R500 U/Z - 280S/4	4152	111	4.00
	45	11.3	125705	177000	1.4	1.0	52.98				
	53	13.2	107368	177000	1.6	1.0	45.25				
	63	16	89925	177000	2.0	1.0	37.90				
	81	20	70278	168318	2.5	1.1	29.62				
	95	24	60030	143768	2.9	1.2	25.30				
	113	28	50277	120413	3.5	1.5	21.19				
	123	31	45958	110076	3.2	1.4	19.37	SK 102 - R500 U/Z - 280S/4	4132	111	4.00
	144	36	39462	94500	3.9	1.6	16.63				
	167	42	33904	81208	4.3	1.8	14.29				
	201	50	28187	67508	5.0	2.1	11.88				
	319	80	17797	42622	5.6	2.3	7.50				
	383	96	14806	35462	6.9	2.9	6.24				
	82	20	69517	95359	1.4	1.0	29.30	SK 92 - R500 U/Z - 280S/4	3645	111	4.00
	145	36	39082	93598	2.4	1.0	16.47				
	167	42	34073	81606	2.8	1.2	14.36				
	193	48	29400	70411	3.2	1.3	12.39				
	228	57	24913	59667	3.6	1.5	10.50				
	307	77	18461	44215	2.9	1.2	7.78				
	357	89	15895	38073	3.9	1.6	6.70				
	421	105	13479	32276	4.7	2.0	5.68				
	109	27	52056	64127	1.2	1.0	21.94	SK 82 - R500 U/Z - 280S/4	3257	111	4.00
	167	42	33904	58242	1.7	1.0	14.29				
	202	50	28090	63145	2.2	1.0	11.84				
	232	58	24515	58702	2.5	1.0	10.33				
	271	68	20930	50118	2.8	1.2	8.82				
	324	81	17532	41993	3.2	1.3	7.39				
	386	97	14691	35179	2.6	1.1	6.19				
	452	113	12549	30063	3.4	1.4	5.29				
	540	135	10514	25178	3.7	1.5	4.43				
125.0	45	11.3	156689	177000	1.1	1.0	52.98	SK 103 - R500 U/Z - 280M/4	4262	145	4.00
	53	13.3	133830	177000	1.3	1.0	45.25				
	63	16	112094	177000	1.6	1.0	37.90				
	81	20	87606	167849	2.0	1.1	29.62				
	95	24	74827	143370	2.4	1.2	25.30				
	113	28	62667	120077	2.8	1.5	21.19				
	124	31	57286	109767	2.6	1.4	19.37	SK 102 - R500 U/Z - 280M/4	4242	145	4.00
	144	36	49188	94235	3.1	1.6	16.63				
	168	42	42268	80978	3.5	1.8	14.29				
	202	50	35135	67322	4.0	2.1	11.88				
	320	80	22178	42498	4.5	2.3	7.50				
	384	96	18452	35356	5.5	2.9	6.24				



VARIABLE SPEED HELICAL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

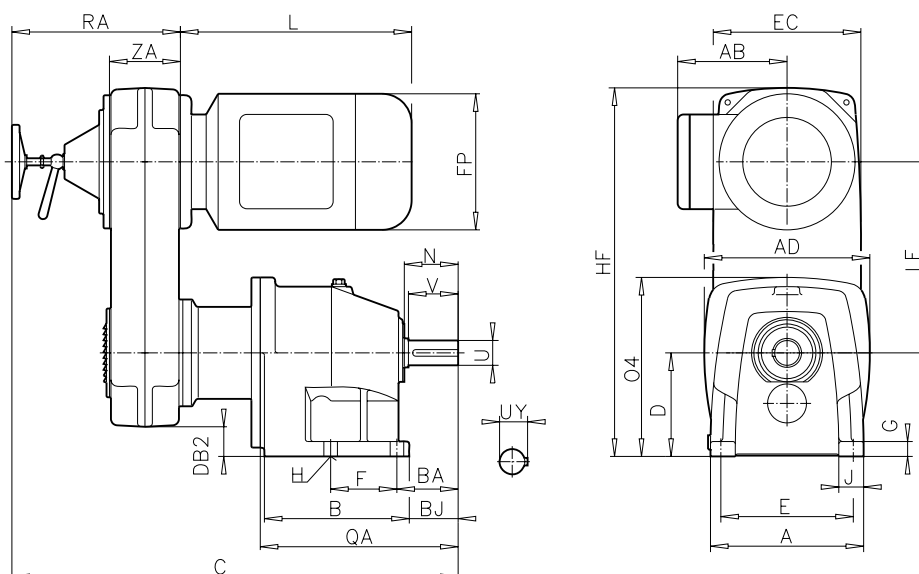
P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
125.0	82	20	86659	95359	1.1	1.0	29.30	SK 92 - R500 U/Z - 280M/4	3755	145	4.00
	146	36	48710	93332	1.9	1.0	16.47				
	167	42	42471	81376	2.2	1.2	14.36				
	194	48	36648	70207	2.6	1.3	12.39				
	228	57	31055	59499	2.9	1.5	10.50				
	308	77	23010	44091	2.3	1.2	7.78				
	358	89	19815	37967	3.1	1.6	6.70				
	422	106	16797	32187	3.8	2.0	5.68				
	168	42	42268	58242	1.4	1.0	14.29	SK 82 - R500 U/Z - 280M/4	3367	145	4.00
	203	51	35019	63145	1.8	1.0	11.84				
	232	58	30550	58534	2.0	1.0	10.33				
	272	68	26090	49976	2.2	1.2	8.82				
	325	81	21860	41878	2.5	1.3	7.39				
	387	97	18311	35073	2.1	1.1	6.19				
	453	113	15647	29975	2.7	1.4	5.29				
	541	135	13098	25107	2.9	1.5	4.43				
150.0	53	13.3	160592	177000	1.1	1.0	45.25	SK 103 - R500 U/Z - 315S/4	4637	173	4.00
	63	16	134511	177000	1.3	1.0	37.90	SK 103 - R500 U/Z - 315S/4	4637	173	4.00
	81	20	105120	167849	1.7	1.1	29.62				
	95	24	89792	143370	2.0	1.2	25.30				
	113	28	75207	120077	2.4	1.5	21.19				
	124	31	68747	109767	2.2	1.4	19.37	SK 102 - R500 U/Z - 315S/4	4617	173	4.00
	144	36	59021	94235	2.6	1.6	16.63				
	168	42	50719	80978	2.9	1.8	14.29				
	202	50	42161	67322	3.3	2.1	11.88				
	320	80	26621	42498	3.7	2.3	7.50				
	384	96	22143	35356	4.6	2.9	6.24				
	146	36	58454	93332	1.6	1.0	16.47	SK 92 - R500 U/Z - 315S/4	4130	173	4.00
	167	42	50967	81376	1.9	1.2	14.36				
	194	48	43976	70207	2.1	1.3	12.39				
	228	57	37267	59499	2.4	1.5	10.50				
	308	77	27612	44091	2.0	1.2	7.78				
	358	89	23780	37967	2.6	1.6	6.70				
	422	106	20160	32187	3.2	2.0	5.68				
	168	42	50719	58242	1.1	1.0	14.29	SK 82 - R500 U/Z - 315S/4	3742	173	4.00
	203	51	42020	63145	1.5	1.0	11.84				
	232	58	36666	58534	1.7	1.0	10.33				
	272	68	31302	49976	1.9	1.2	8.82				
	325	81	26231	41878	2.1	1.3	7.39				
	387	97	21966	35073	1.7	1.1	6.19				
	453	113	18771	29975	2.3	1.4	5.29				
	541	135	15726	25107	2.4	1.5	4.43				

NOTES

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FOOT MOUNTED, DOUBLE REDUCTION



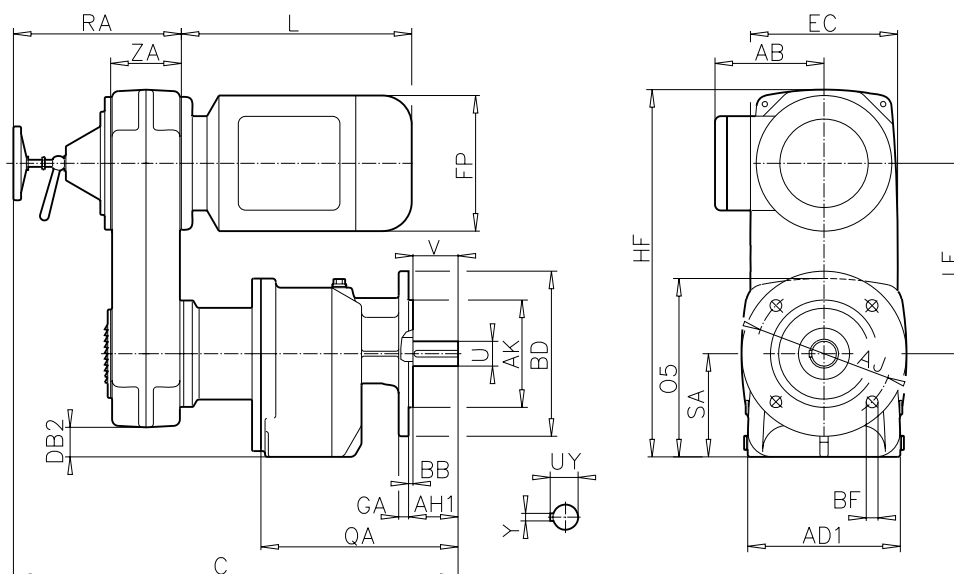
Type	Gear reducer dimensions					Outline dimensions							Motor dimensions			Shaft dimensions		
	A	B	D	G	N	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	AD	BA BJ	E F	H J	O4 QA											Key		
SK 02 - R 100 U - 56 C - 143 TC - 145 TC	5.12	5.28	3.39	0.47	1.62	19.33	0.56	5.98	12.91	6.69	9.33	3.46	5.30	7.20	9.30	0.750	0.83	1.50
		1.97	4.33	0.35	6.02								5.30	7.20	10.30			3/16x3/16x1
SK 12 - R 100 U - 56 C - 143 TC - 145 TC - R 150 U - 145 TC	5.31	5.47	4.02	0.59	2.28	20.47	1.19	5.98	13.54	6.69	9.33	3.46	5.30	7.20	9.30	1.000	1.11	2.13
		3.23	4.13	0.35	6.69								5.30	7.20	10.30			1/4x1/4x1-5/8
	5.12	2.52	2.44	1.19	8.23								5.30	7.20	11.30			
SK 22 - R 150 U - 145 TC - R 196 U - 184 TC	7.28	6.89	4.92	0.71	2.95	24.72	0.98	8.19	17.60	8.74	10.43	4.17	5.30	7.20	11.30	1.250	1.36	2.75
		3.30	6.30	0.43	8.86	26.89	0.20	9.84	19.80	10.16	12.60	5.04	5.90	8.50	14.00			1/4x1/4x2-1/4
	7.87	2.71	3.15	1.38	9.80													
SK 32 - R 150 U - 145 TC - R 196 U - 184 TC - R 210 U - 213 TC - 215 TC	8.27	8.43	6.10	0.79	3.49	26.79	2.16	8.19	18.78	8.74	10.43	4.17	5.30	7.20	11.30	1.625	1.79	3.25
		3.88	7.28	0.51	10.16	28.96	1.38	9.84	20.98	10.16	12.60	5.04	5.90	8.50	14.00			
	7.87	3.21	4.72	1.57	11.87	29.59	0.98	10.63	21.53	10.31	13.23	5.51	7.40	10.30	15.60			3/8x3/8x2-1/2
						7.40							7.40	10.30	16.70			
SK 42 - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC	8.46	9.41	6.89	0.98	3.74	31.26	2.17	9.84	21.77	10.16	12.60	5.04	5.90	8.50	12.30	1.875	2.09	3.50
		5.08	6.89	0.51	11.81								5.90	8.50	14.00			
	9.84	4.13	4.72	1.57	13.78	31.89	1.77	10.63	22.32	10.31	13.23	5.51	7.40	10.30	15.60			1/2x1/2x2-3/4
													7.40	10.30	16.70			
						34.29	0.79	12.44	25.35	12.36	15.59	6.34	9.70	13.30	18.20			
SK 52 - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	10.24	11.14	8.35	1.38	4.24	33.29	3.63	9.84	23.23	10.16	12.60	5.04	5.90	8.50	12.30	2.250	2.47	4.00
		5.18	8.66	0.71	13.27								5.90	8.50	14.00			
	9.84	4.39	5.91	1.77	15.81	33.92	3.23	10.63	23.78	10.31	13.23	5.51	7.40	10.30	15.60			1/2x1/2x3-1/4
													7.40	10.30	16.70			
						36.32	2.25	12.44	26.81	12.36	15.59	6.34	9.70	13.30	18.20			
						37.23	1.26	14.09	29.02	13.58	16.50	7.01	9.70	13.30	20.00			
						40.26	0.20	16.30	33.31	16.81	19.53	8.27	12.70	15.20	20.30			
												12.70	15.20	21.80				
						40.26	0.20	16.30	33.31	16.81	19.53	8.27	12.05	15.67	27.09			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FLANGE MOUNTED, DOUBLE REDUCTION



Type			Gear reducer dimensions				Outline dimensions								Motor dimensions			Shaft dimensions		
			AJ	AD1	BB	GA	QA	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
			AK	AH1	BF	O5 SA														
SK 02 F	- R 100 U	- 56 C	5.12	5.12	0.14	0.39	7.09	19.33	0.67	5.98	13.02	6.69	9.33	3.46	5.30	7.20	9.30	0.750	0.83	1.50
		- 143 TC	4.331	1.50	6.30	6.14									5.30	7.20	10.30			
		- 145 TC			0.35	3.50									5.30	7.20	11.30			3/16 x 3/16 x 1
SK 12 F	- R 100 U	- 56 C	5.12	5.32	0.14	0.39	8.23	20.47	1.34	5.98	13.69	6.69	9.33	3.46	5.30	7.20	9.30	1.000	1.11	2.13
		- 143 TC			6.30	6.85									5.30	7.20	10.30			
		- 145 TC	4.331	2.13	0.35	4.17									5.30	7.20	11.30			1/4 x 1/4 x 1-5/8
	- R 150 U	- 145 TC																		
SK 22 F	- R 150 U	- 145 TC	6.50	7.28	0.14	0.47	9.80	24.72	0.98	8.19	17.60	8.74	10.43	4.17	5.30	7.20	11.30	1.250	1.36	2.75
				7.87	8.86															
	- R 196 U	- 184 TC	5.118	2.75	0.43	4.92		26.89	0.20	9.84	19.80	10.16	12.60	5.04	5.90	8.50	14.00			1/4 x 1/4 x 2-1/4
SK 32 F	- R 150 U	- 145 TC	8.46	8.27	0.16	0.63	11.87	26.79	2.16	8.19	18.78	8.74	10.43	4.17	5.30	7.20	11.30	1.625	1.79	3.25
		- 184 TC			9.84	10.16									5.90	8.50	14.00			
		- 213 TC	7.087	3.25	0.55	6.10									28.96	1.38	9.84			
		- 215 TC													7.40	10.30	16.70			3/8 x 3/8 x 2-1/2
SK 42 F	- R 196 U	- 182 TC	8.46	8.47	0.16	0.63	13.78	31.26	2.17	9.84	21.77	10.16	12.60	5.04	5.90	8.50	12.30	1.875	2.09	3.50
		- 184 TC			9.84	11.81									5.90	8.50	14.00			
		- 213 TC	7.087	3.50	0.55	6.89									31.89	1.77	10.63			
		- 215 TC													7.40	10.30	16.70			1/2 x 1/2 x 2-3/4
	- R 250 U	- 254 TC						34.29	0.79	12.44	25.35	12.36	15.59	6.34	9.70	13.30	18.20			
SK 52 F	- R 196 U	- 182 TC	10.43	10.24	0.16	0.79	15.81	33.29	3.63	9.84	23.23	10.16	12.60	5.04	5.90	8.50	12.30	2.250	2.47	4.00
		- 184 TC			11.81	13.27									5.90	8.50	14.00			
	- R 210 U	- 213 TC	9.055	4.00	0.55	8.35		33.92	3.23	10.63	23.78	10.31	13.23	5.51	7.40	10.30	15.60			1/2 x 1/2 x 3-1/4
		- 215 TC													7.40	10.30	16.70			
	- R 250 U	- 254 TC						36.32	2.25	12.44	26.81	12.36	15.59	6.34	9.70	13.30	18.20			
	- R 280 U	- 256 TC						37.23	1.26	14.09	29.02	13.58	16.50	7.01	9.70	13.30	18.20			
- R 300 U	- 284 TC						40.26	0.20	16.30	33.31	16.81	19.53	8.27	12.70	15.20	20.30				
	- 286 TC													12.70	15.20	21.80				
- R 350 U	- 200 L						40.26	0.20	16.30	33.31	16.81	19.53	8.27	12.05	15.67	27.09				

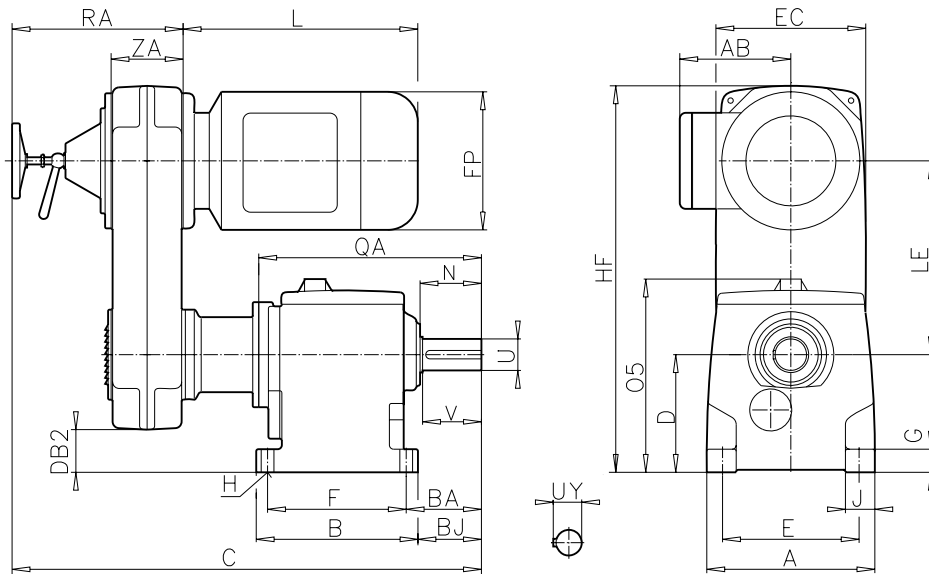
ADDITIONAL FLANGE SIZES AVAILABLE						
SIZE	AJ	AK	BB	BD	BF	GA
SK 02 F	3.94 / 4.53	3.150 / 3.740	0.12 / 0.12	4.72 / 5.51	0.28 / 0.35	0.39 / 0.39
SK 12 F	3.94 / 4.53	3.150 / 3.740	0.12 / 0.12	4.72 / 5.51	0.28 / 0.35	0.39 / 0.39
SK 22 F	5.12	4.331	0.14	6.30	0.35	0.39
SK 32 F	6.50	5.118	0.14	7.87	0.43	0.47
SK 42 F	6.50	5.118	0.14	7.87	0.43	0.55
SK 52 F	8.46	7.087	0.16	9.84	0.55	0.63

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FOOT MOUNTED, DOUBLE AND TRIPLE REDUCTION



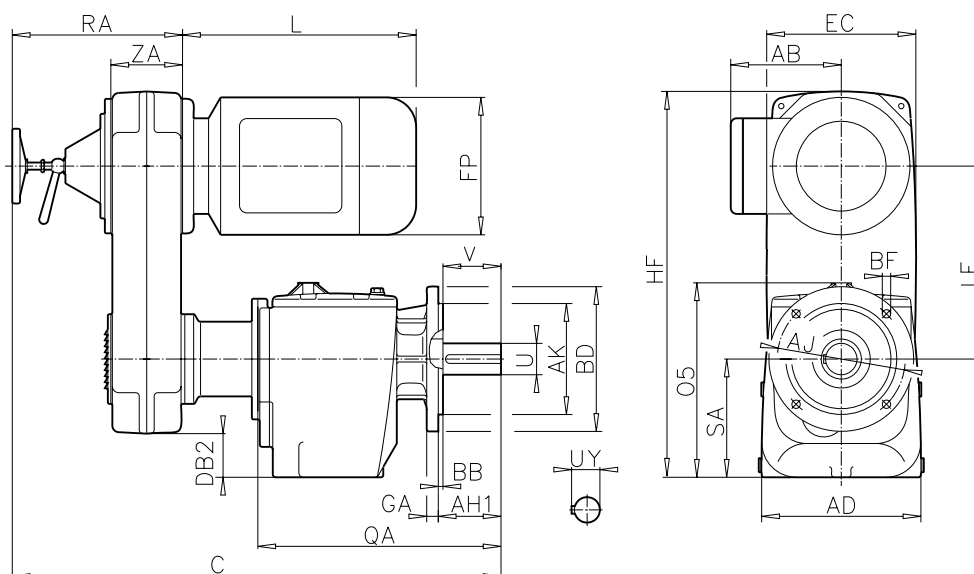
Type	Gear reducer dimensions					Outline dimensions							Motor dimensions			Shaft dimensions					
	A	BA	D	G	N	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V			
	B	BJ	E	H	O5														Key		
SK 63 - R 196 U - 182 TC - 184 TC - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	12.99	6.34	9.84	1.77	5.24	35.51	5.12	9.84	24.72	10.16	12.60	5.04	5.90	8.50	12.30	2.500	2.77	5.00			
			10.24	0.87	15.75								5.90	8.50	14.00	5/8 x 5/8 x 4					
	13.58	5.43	11.61	2.76	18.03	39.45	2.76	14.09	30.51	13.58	16.50	7.01	9.70	13.30	18.20						
													9.70	13.30	20.00						
						42.48	1.69	16.30	34.80	16.81	19.53	8.27	12.70	15.20	20.30	5/8 x 5/8 x 4					
													12.70	15.20	21.80						
						42.48	1.69	16.30	34.80	16.81	19.53	8.27	12.05	15.67	27.09	5/8 x 5/8 x 4					
SK 62 - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	12.99	6.34	9.84	1.77	5.24	42.25	2.76	14.09	30.51	13.58	16.50	7.01	9.70	13.30	20.00				2.500	2.77	5.00
			10.24	0.87	15.75	45.28	1.69	16.30	34.80	16.81	19.53	8.27	12.70	15.20	20.30				5/8 x 5/8 x 4		
	13.58	5.43	11.61	2.76	19.06	45.28	1.69	16.30	34.80	16.81	19.53	8.27	12.05	15.67	27.09						
						51.42	0	19.69	40.39	20.71	22.44	9.45	12.05	15.67	27.09						
													12.05	15.67	27.09						
						51.42	0	19.69	40.39	20.71	22.44	9.45	16.93	20.47	31.10	3/4x 3/4 x 4-1/2					
SK 73 - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	15.75	7.04	11.02	2.17	5.74	44.08	3.94	14.09	31.69	13.58	16.50	7.01	9.70	13.30	18.20				3.000	3.33	5.50
			12.79	1.02	17.60								9.70	13.30	20.00				3/4x 3/4 x 4-1/2		
	15.16	5.94	12.99	2.76	20.89	47.11	2.87	16.30	35.98	16.81	19.53	8.27	12.70	15.20	20.30						
													12.70	15.20	21.80						
							47.11	2.87	16.30	35.98	16.81	19.53	8.27	12.05	15.67						
					53.25	1.18	19.69	41.57	20.71	22.44	9.45	12.05	15.67	27.09							
												12.05	15.67	27.09							
						53.25	1.18	19.69	41.57	20.71	22.44	9.45	16.93	20.47	31.10						
SK 72 - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	15.75	7.04	11.02	2.17	5.74	46.84	2.87	16.30	35.98	16.81	19.53	8.27	12.05	15.67	27.09	3.000	3.33	5.50			
			12.79	1.02	17.60	52.98	1.18	19.69	41.57	20.71	22.44	9.45	12.05	15.67	27.09	3/4x 3/4 x 4-1/2					
	15.16	5.94	12.99	2.76	20.62								12.05	15.67	27.09						
						52.98	1.18	19.69	41.57	20.71	22.44	9.45	16.93	20.47	31.10						

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FLANGE MOUNTED, DOUBLE AND TRIPLE REDUCTION



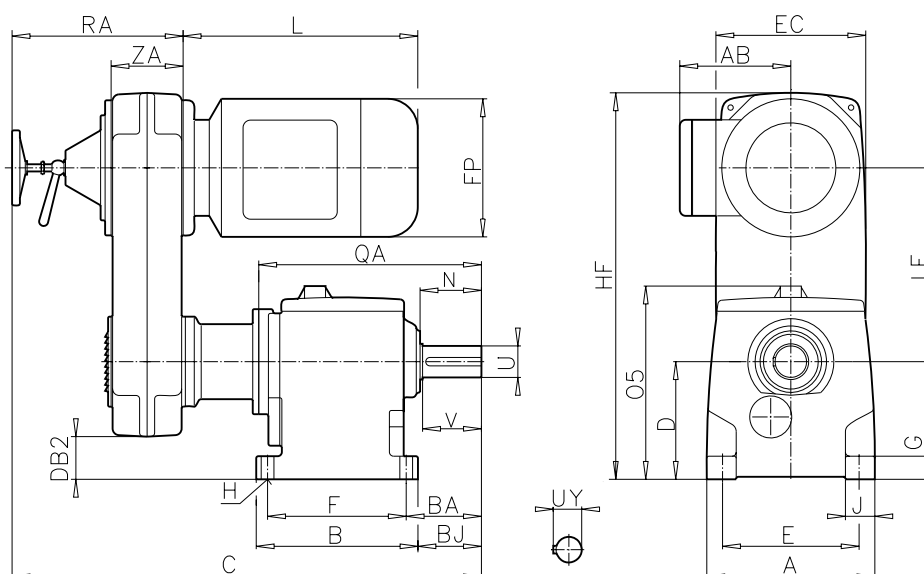
Type	Gear reducer dimensions						Outline dimensions							Motor dimensions			Shaft dimensions		
	AJ	AD	BB	GA	QA		C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	AK	AH1	BD	O5													Key		
SK 63 F - R 196 U - 182 TC - 184 TC - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	10.43	12.99	0.16	0.95	19.76		37.24	4.92	9.84	24.53	10.16	12.60	5.04	5.90	8.50	12.30	2.500	2.77	5.00
			11.81	15.55										5.90	8.50	14.00	5/8 x 5/8 x 4		
	9.055	5.00	0.55	9.65			41.18	2.56	14.09	30.31	13.58	16.50	7.01	9.70	13.30	18.20			
														9.70	13.30	20.00			
							44.21	1.50	16.30	34.61	16.81	19.53	8.27	12.70	15.20	20.30			
SK 62 F - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M					20.79									12.70	15.20	21.80	5/8 x 5/8 x 4		
	10.43	12.99	0.16	0.95			43.98	2.56	14.09	3.031	13.58	16.50	7.01	9.70	13.30	20.00			
			11.81	15.55			47.01	1.50	16.30	34.61	16.81	19.53	8.27	12.70	15.20	20.30			
	9.055	5.00	0.55	9.65										12.70	15.20	21.80			
							47.01	1.50	16.30	34.61	16.81	19.53	8.27	12.05	15.67	27.09			
							53.15	-0.20	19.69	40.20	20.71	22.44	9.45	12.05	15.67	27.09			
SK 73 F - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	11.81	15.75	0.20	0.95	23.45		46.64	3.74	14.09	31.50	13.58	16.50	7.01	9.70	13.30	18.20	3/4 x 3/4 x 4-1/2		
			13.78	15.75										9.70	13.30	20.00			
	9.843	5.50	0.71	10.83			49.67	2.68	16.30	35.79	16.81	19.53	8.27	12.70	15.20	20.30			
							49.67	2.68	16.30	35.79	16.81	19.53	8.27	12.05	15.67	27.09			
							55.81	0.98	19.69	41.38	20.71	22.44	9.45	12.05	15.67	27.09			
							55.81	0.98	19.69	41.38	20.71	22.44	9.45	16.93	20.47	31.10			
SK 72 F - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	11.81	15.75	0.20	0.95	23.18		49.40	2.68	16.30	35.79	16.81	19.53	8.27	12.05	15.67	27.09	3/4 x 3/4 x 4-1/2		
			13.78	15.75			55.54	0.98	19.69	41.38	20.71	22.44	9.45	12.05	15.67	27.09			
	9.843	5.50	0.71	10.83										12.05	15.67	27.09			
							55.54	0.98	19.69	41.38	20.71	22.44	9.45	16.93	20.47	31.10			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FOOT MOUNTED, DOUBLE AND TRIPLE REDUCTION



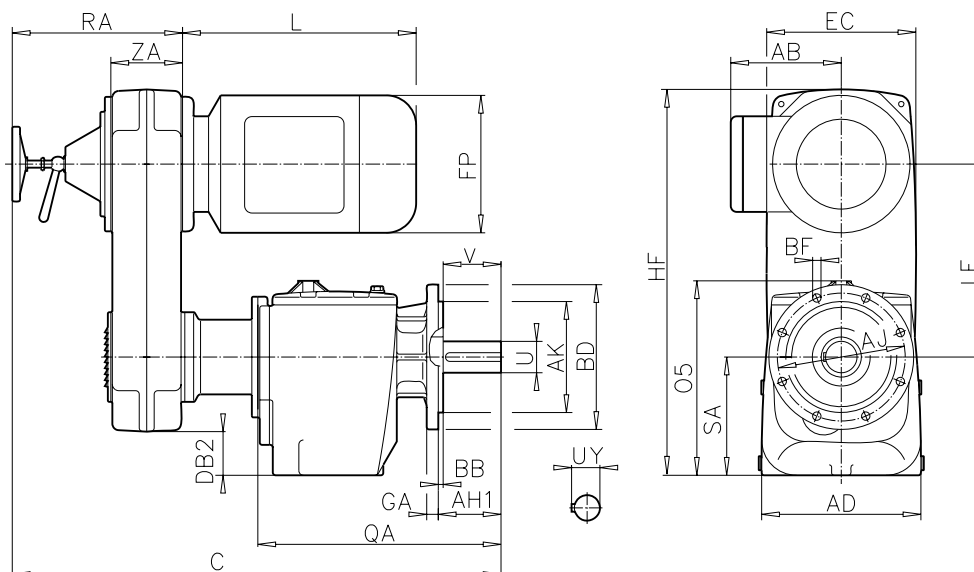
Type		Gear reducer dimensions					Outline dimensions							Motor dimensions			Shaft dimensions		
		A B	BA BJ	D E F	G H J	N O5 QA	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
SK 83	- R 300 U - 256 TC - 284 TC - 286 TC	17.72	8.52	12.40	2.17	6.99	50.33	4.25	16.30	37.36	16.81	19.53	8.27	9.70	13.30	20.00	3.500	3.88	6.75
		18.58	7.07	15.75	3.54	24.11								12.70	15.20	20.30	7/8 x 7/8 x 5-1/2		
	- R 350 U - 200 L						50.33	4.25	16.30	37.36	16.81	19.53	8.27	12.05	15.67	27.09			
	- R 375 U - 225 S - 225 M						56.47	2.56	19.69	38.90	20.71	22.44	9.45	12.05	15.67	27.09			
	- R 400 U - 250 M						56.47	2.56	19.69	38.90	20.71	22.44	9.45	19.63	20.47	31.10			
SK 82	- R 350 U - 200 L	17.72	8.52	12.40	2.17	6.99	52.93	4.25	16.30	37.36	16.81	19.53	8.27	12.05	15.67	27.09	3.500	3.88	6.75
		18.58	7.07	15.75	3.54	24.11											7/8 x 7/8 x 5-1/2		
SK 82	- R 375 U - 225 S - 225 M	17.72	8.52	12.40	2.17	6.99	56.47	2.56	19.69	42.95	20.71	22.44	9.45	12.05	15.67	27.09	3.500	3.88	6.75
	- R 400 U - 250 M	18.58	7.07	15.75	3.54	24.74	56.47	2.56	19.69	42.95	20.71	22.44	9.45	19.63	20.47	31.10	7/8 x 7/8 x 5-1/2		
	- R 500 U - 280 S - 280 M - 315 S						59.62	- 0.79	19.69	60.79	35.20	25.24	11.81	17.91	22.64	34.06			
														20.28	25.39	38.19			
SK 93	- R 300 U - 256 TC	21.65	10.67	15.35	2.76	8.81	54.09	7.20	16.30	40.31	16.81	19.53	8.27	9.70	13.30	20.00	4.250	4.69	8.50
	- R 375 U - 225 S - 225 M			17.32	1.30	24.33	60.23	5.51	19.69	45.91	20.71	22.44	9.45	12.05	15.67	27.09	1 x 1 x 7-1/4		
		21.26	8.89	17.72	4.33	27.87								12.05	15.67	27.09			
	- R 400 U - 250 M						60.23	5.51	19.69	38.90	20.71	22.44	9.45	19.63	20.47	31.10			
SK 92	- R 375 U - 225 S - 225 M	21.65	10.67	15.35	2.76	8.81	60.15	5.51	19.69	45.91	20.71	22.44	9.45	12.05	15.67	27.09	4.250	4.69	8.50
	- R 400 U - 250 M			17.32	1.30	24.33								12.05	15.67	27.09	1 x 1 x 7-1/4		
		21.26	8.89	17.72	4.33	28.42	60.15	5.51	19.69	45.91	20.71	22.44	9.45	16.93	20.47	31.10			
	- R 500 U - 280 S - 280 M - 315 S						63.30	2.17	19.69	63.74	35.20	25.24	11.81	17.91	22.64	34.06			
													20.28	25.39	38.19				
SK 103	- R 300 U - 256 TC	23.62	12.76	17.72	3.15	10.39	61.06	9.57	16.30	42.68	16.81	19.53	8.27	9.70	13.30	20.00	5.250	5.80	10.0
	- R 375 U - 225 S - 225 M			18.90	1.77	27.80	63.97	7.87	19.69	48.27	20.71	22.44	9.45	12.05	15.67	27.09	1-1/4x1-1/4x8-3/8		
		24.61	10.39	19.88	4.72	32.24								12.05	15.67	27.09			
	- R 500 U - 280 S - 280 M - 315 S						67.12	4.53	19.69	66.10	20.71	22.44	9.45	17.91	22.64	34.06			
													17.91	22.64	34.06				
													20.28	25.39	38.19				
SK 102	- R 500 U - 280 S - 280 M	23.62	12.76	17.72	3.15	10.39	66.77	4.53	19.69	66.10	35.20	25.24	11.81	17.91	22.64	34.06	5.250	5.80	10.0
	- 315 S			18.90	1.77	27.80								17.91	22.64	34.06			
		24.61	10.39	19.88	4.72	31.89								20.28	25.39	38.19	1-1/4x1-1/4x8-3/8		

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FLANGE MOUNTED, DOUBLE AND TRIPLE REDUCTION



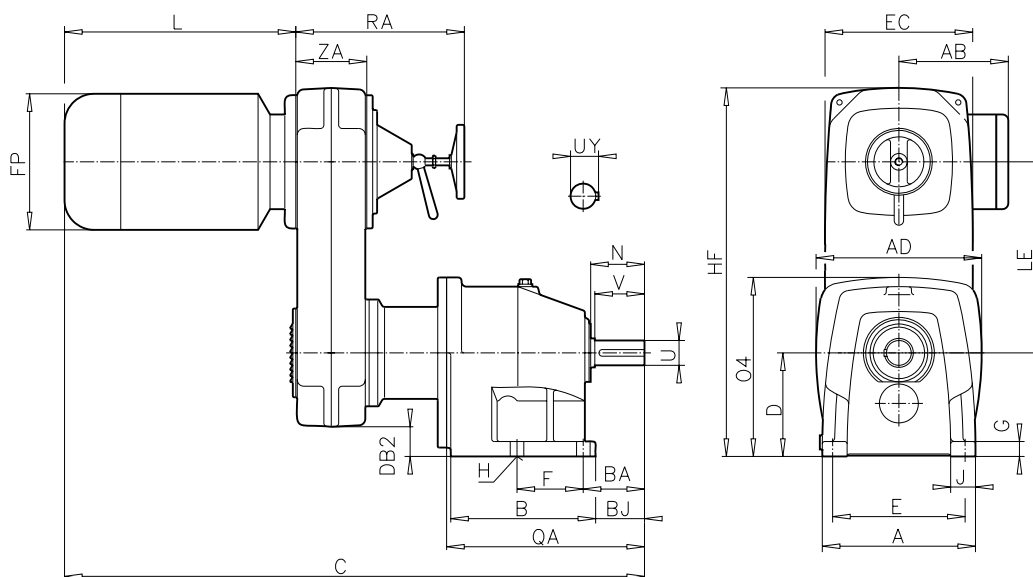
Type	Gear reducer dimensions						Outline dimensions							Motor dimensions			Shaft dimensions				
	AJ	AD	BB	GA	QA		C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V		
	AK	AH1	BD	O5																SA	
SK 83 F - R 300 U - 256 TC - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	15.75	17.72	0.20	1.02	27.10		53.32	4.02	16.30	37.13	16.81	19.53	8.27	9.70	13.30	20.00	3.500	3.88	6.75		
	13.780	6.75	0.71	12.17																	
SK 82 F - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	15.75	17.72	0.20	1.02	27.06		55.58	4.02	16.30	37.13	16.81	19.53	8.27	12.05	15.67	27.09	3.500	3.88	6.75		
	13.780	6.75	0.71	12.17																	
SK 93 F - R 300 U - 256 TC - R 375 U - 225 S - 225 M - R 400 U - 250 M	15.75	21.65	0.20	1.10	30.67		56.89	6.97	16.30	40.08	16.81	19.53	8.27	9.70	13.30	20.00	4.250	4.69	8.50		
	13.780	8.50	0.71	15.12																	
SK 92 F - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	15.75	21.65	0.20	1.10	31.22		62.95	5.28	19.69	45.67	20.71	22.44	9.45	12.05	15.67	27.09	4.250	4.69	8.50		
	13.780	8.50	0.71	15.12																	
SK 103 F - R 300 U - 256 TC - R 375 U - 225 S - 225 M - R 500 U - 280 S - 280 M - 315 S	19.68	23.62	0.20	1.26	35.59		64.41	9.25	16.30	42.36	16.81	19.53	8.27	9.70	13.30	20.00	5.250	5.80	10.0		
	17.717	10.00	0.71	17.40																	
SK 102 F - R 500 U - 280 S - 280 M - 315 S	19.68	23.62	0.20	1.26	35.24		70.12	4.21	19.69	65.79	35.20	25.24	11.81	17.91	22.64	34.06	5.250	5.80	10.0		
	17.717	10.00	0.71	17.40																	

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FOOT MOUNTED, DOUBLE REDUCTION



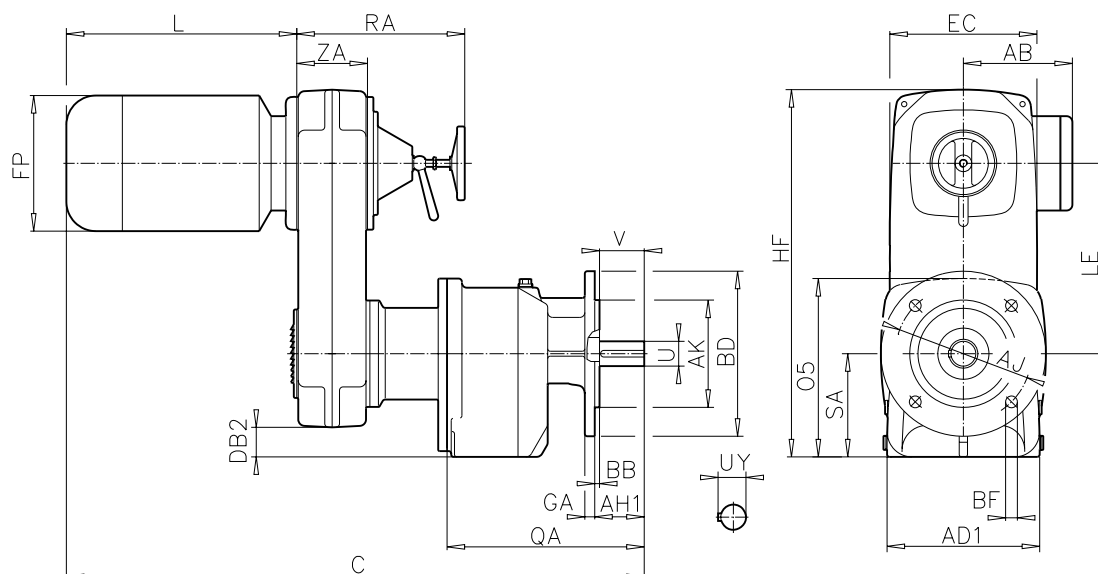
Type	Gear reducer dimensions					Outline dimensions								Motor dimensions			Shaft dimensions		
	A	B	D	G	N	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V	
	AD	BA BJ	E F	H J	O4 QA														
SK 02 - R 100 Z - 56 C - 143 TC - 145 TC	5.12	5.28	3.39	0.47	1.62	22.77	0.56	5.98	12.91	6.69	9.33	3.46	5.30	7.20	9.30	0.750	0.83	1.50	
		1.97	4.33	0.35	6.02	23.77							5.30	7.20	10.30				
	5.12	1.58	2.36	0.98	7.09	24.77							5.30	7.20	11.30			3/16x1/16x1	
SK 12 - R 100 Z - 56 C - 143 TC - 145 TC	5.31	5.47	4.02	0.59	2.28	23.91	1.19	5.98	13.54	6.69	9.33	3.46	5.30	7.20	9.30	1.000	1.11	2.13	
		3.23	4.13	0.35	6.69	24.91							5.30	7.20	10.30				
	5.12	2.52	2.44	1.19	8.23	25.91							5.30	7.20	11.30			1/4x1/4x1-5/8	
- R 150 Z - 145 TC						28.43	0.08	8.19	16.70	8.74	10.43	4.17	5.30	7.20	11.30				
	SK 22 - R 100 Z - 56 C - 143 TC - 145 TC	7.28	6.89	4.92	0.71	2.95	27.05	2.09	5.98	14.44	6.69	9.33	3.46	5.30	7.20	9.30	1.250	1.36	2.75
		3.30	6.30	0.43	8.86	28.05							5.30	7.20	10.30				
- R 150 Z - 145 TC	7.87	2.71	3.15	1.38	9.80	29.05							5.30	7.20	11.30			1/4x1/4x2-1/4	
						29.76	0.98	8.19	17.60	8.74	10.43	4.17	5.30	7.20	11.30				
	- R 196 Z - 184 TC					33.33	0.20	9.84	19.80	10.16	12.60	5.04	5.90	8.50	14.00				
SK 32 - R 100 Z - 56 C - 143 TC - 145 TC	8.27	8.43	6.10	0.79	3.49	29.12	3.27	5.98	15.62	6.69	9.33	3.46	5.30	7.20	9.30	1.625	1.79	3.25	
		3.88	7.28	0.51	10.16	30.12							5.30	7.20	10.30				
	7.87	3.21	4.72	1.57	11.87	31.12							5.30	7.20	11.30			3/8x3/8x2-1/2	
- R 150 Z - 145 TC						31.83	2.16	8.19	18.78	8.74	10.43	4.17	5.30	7.20	11.30				
	- R 196 Z - 184 TC					35.40	1.38	9.84	20.98	10.16	12.60	5.04	5.90	8.50	14.00				
	- R 210 Z - 213 TC - 215 TC					37.47	0.98	10.63	21.53	10.31	13.23	5.51	7.40	10.30	15.60				
SK 42 - R 150 Z - 145 TC	8.46	9.41	6.89	0.98	3.74	34.14	2.95	8.19	19.57	8.74	10.43	4.17	5.30	7.20	11.30	1.875	2.09	3.50	
	- R 196 Z - 182 TC - 184 TC		5.08	6.89	0.51	11.81	36.00	2.17	9.84	21.77	10.16	12.60	5.04	5.90	8.50	12.30			
		9.84	4.13	4.72	1.57	13.78	37.70						5.90	8.50	14.00			1/2x1/2x2-3/4	
- R 210 Z - 213 TC - 215 TC						39.77	1.77	10.63	22.32	10.31	13.23	5.51	7.40	10.30	15.60				
						40.87							7.40	10.30	16.70				
	- R 250 Z - 254 TC					43.24	0.79	12.44	25.35	12.36	15.59	6.34	9.70	13.30	18.20				
SK 52 - R 150 Z - 145 TC	10.24	11.14	8.35	1.38	4.24	36.17	4.41	8.19	21.03	8.74	10.43	4.17	5.30	7.20	11.30	2.250	2.47	4.00	
	- R 196 Z - 182 TC - 184 TC		5.18	8.66	0.71	13.27	38.03	3.63	9.84	23.23	10.16	12.60	5.04	5.90	8.50	12.30			
		9.84	4.39	5.91	1.77	15.81	39.73						5.90	8.50	14.00			1/2x1/2x3-1/4	
- R 210 Z - 213 TC - 215 TC						41.80	3.23	10.63	23.78	10.31	13.23	5.51	7.40	10.30	15.60				
						42.90							7.40	10.30	16.70				
	- R 250 Z - 254 TC					45.27	2.25	12.44	26.81	12.36	15.59	6.34	9.70	13.30	18.20				
- R 280 Z - 256 TC						47.74	1.26	14.09	29.02	13.58	16.50	7.01	9.70	13.30	20.00				
	- R 300 Z - 284 TC - 286 TC					49.30	0.20	16.30	33.31	16.81	19.53	8.27	12.70	15.20	20.30				
						50.80							12.70	15.20	21.80				
- R 350 Z - 200 L						56.09	0.20	16.30	33.31	16.81	19.53	8.27	12.05	15.67	27.09				

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FLANGE MOUNTED, DOUBLE REDUCTION



Type	Gear reducer dimensions						Outline dimensions							Motor dimensions			Shaft dimensions		
	AJ	AD1	BB	GA	QA		C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	AK	AH1	BD	O5													Key		
SK 02 F - R 100 Z - 56 C - 143 TC - 145 TC	5.12	5.12	0.14	0.39			22.77	0.67	5.98	13.02	6.69	9.33	3.46	5.30	7.20	9.30	0.750	0.83	1.50
			6.30	6.14	7.09		23.77							5.30	7.20	10.30			
	4.331	1.50	0.35	3.50			24.77							5.30	7.20	11.30	3/16 x 3/16 x 1		
SK 12 F - R 100 Z - 56 C - 143 TC - 145 TC	5.12	5.32	0.14	0.39			23.91	1.34	5.98	13.69	6.69	9.33	3.46	5.30	7.20	9.30	1.000	1.11	2.13
			6.30	6.85	8.23		24.91							5.30	7.20	10.30			
	4.331	2.13	0.35	4.17			25.91							5.30	7.20	11.30	1/4 x 1/4 x 1-5/8		
SK 22 F - R 100 Z - 56 C - 143 TC - 145 TC	6.50	7.28	0.14	0.47			27.05	2.09	5.98	14.44	6.69	9.33	3.46	5.30	7.20	9.30	1.250	1.36	2.75
			7.87	8.86	9.80		28.05							5.30	7.20	10.30			
	5.118	2.75	0.43	4.92			29.05							5.30	7.20	11.30	1/4 x 1/4 x 2-1/4		
SK 32 F - R 100 Z - 56 C - 143 TC - 145 TC	8.46	8.27	0.16	0.63			29.12	3.27	5.98	15.62	6.69	9.33	3.46	5.30	7.20	9.30	1.625	1.79	3.25
			9.84	10.16	11.87		30.12							5.30	7.20	10.30			
	7.087	3.25	0.55	6.10			31.12							5.30	7.20	11.30	3/8 x 3/8 x 2-1/2		
SK 42 F - R 150 Z - 145 TC	8.46	8.47	0.16	0.63			31.83	2.16	8.19	18.78	8.74	10.43	4.17	5.30	7.20	11.30			
							35.40	1.38	9.84	20.98	10.16	12.60	5.04	5.90	8.50	14.00			
							37.47	0.98	10.63	21.53	10.31	13.23	5.51	7.40	10.30	15.60			
SK 42 F - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC	8.46	8.47	0.16	0.63			38.57							7.40	10.30	16.70			
							34.14	2.95	8.19	19.57	8.74	10.43	4.17	5.30	7.20	11.30	1.875	2.09	3.50
							36.00	2.17	9.84	21.77	10.16	12.60	5.04	5.90	8.50	12.30			
SK 42 F - R 150 Z - 145 TC - R 210 Z - 213 TC - 215 TC	7.087	3.50	0.55	6.89			37.70							5.90	8.50	14.00	1/2 x 1/2 x 2-3/4		
							39.77	1.77	10.63	22.32	10.31	13.23	5.51	7.40	10.30	15.60			
							40.87							7.40	10.30	16.70			
SK 42 F - R 150 Z - 145 TC - R 250 Z - 254 TC							43.24	0.79	12.44	25.35	12.36	15.59	6.34	9.70	13.30	18.20	2.250	2.47	4.00
							36.17	4.41	8.19	21.03	8.74	10.43	4.17	5.30	7.20	11.30			
							38.03	3.63	9.84	23.23	10.16	12.60	5.04	5.90	8.50	12.30			
SK 52 F - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC	10.43	10.24	0.16	0.79			39.73							5.90	8.50	14.00	1/2 x 1/2 x 3-1/4		
							41.80	3.23	10.63	23.78	10.31	13.23	5.51	7.40	10.30	15.60			
	9.055	4.00	0.55	8.35	15.81		42.90							7.40	10.30	16.70			
SK 52 F - R 150 Z - 145 TC - R 210 Z - 213 TC - 215 TC							45.27	2.25	12.44	26.81	12.36	15.59	6.34	9.70	13.30	18.20			
							47.74	1.26	14.09	29.02	13.58	16.50	7.01	9.70	13.30	20.00			
							49.30	0.20	16.30	33.31	16.81	19.53	8.27	12.70	15.20	20.30			
SK 52 F - R 150 Z - 145 TC - R 250 Z - 254 TC - R 280 Z - 256 TC							50.80							12.70	15.20	21.80			
							56.09	0.20	16.30	33.31	16.81	19.53	8.27	12.05	15.67	27.09			

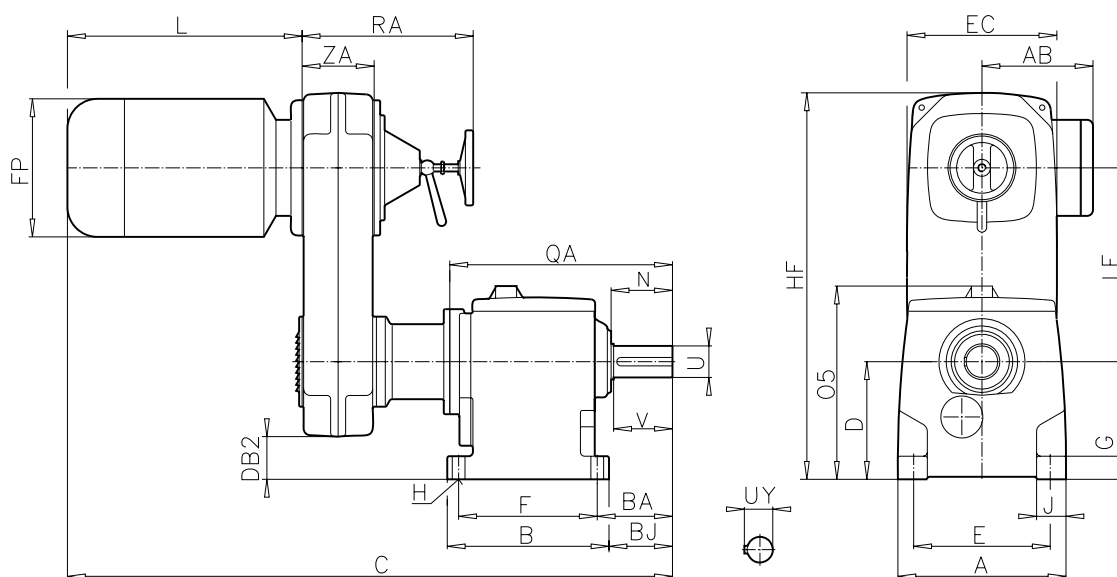
Additional flange sizes available see page B33

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FOOT MOUNTED, DOUBLE AND TRIPLE REDUCTION



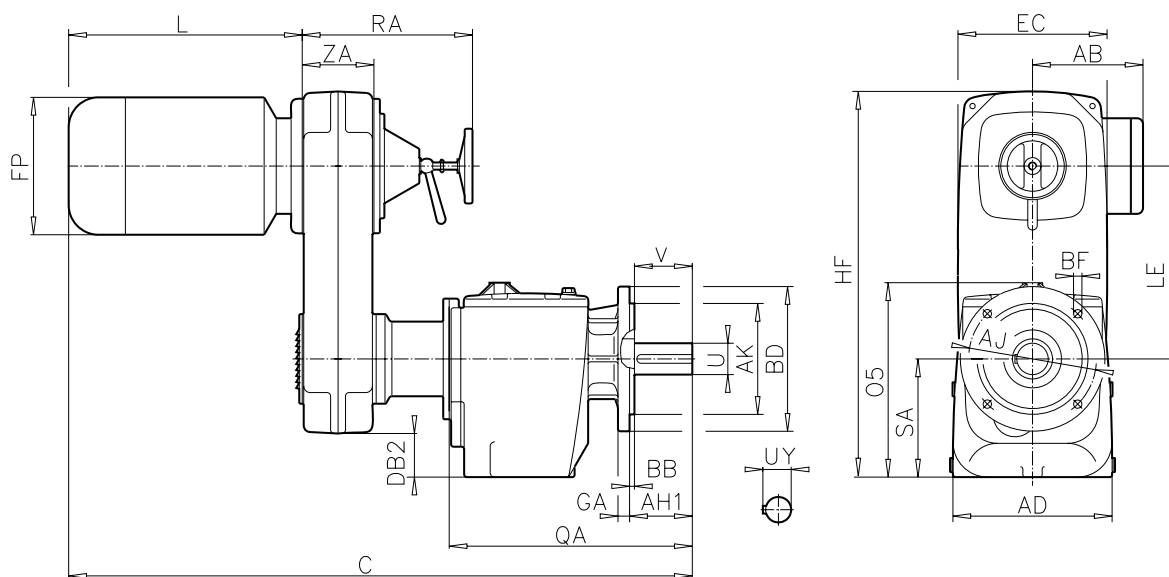
Type	Gear reducer dimensions					Outline dimensions							Motor dimensions			Shaft dimensions		
	A	BA	D	G	N	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	B	BJ	E	H	O5											Key		
SK 63	- R 150 Z - 184 TC					39.39	5.91	8.19	22.52	8.74	10.43	4.17	5.90	8.50	12.30	2.500	2.77	5.00
	- R 196 Z - 182 TC					40.25	5.12	9.84	24.72	10.16	12.60	5.04	5.90	8.50	12.30	5/8 x 5/8 x 4		
	- 184 TC					41.95							5.90	8.50	14.00			
	- R 210 Z - 213 TC					44.02	4.72	10.63	25.28	10.31	13.23	5.51	7.40	10.30	15.60			
	- 215 TC					45.12							7.40	10.30	16.70			
	- R 250 Z - 254 TC					47.49	3.74	12.44	26.31	12.36	15.59	6.34	9.70	13.30	18.20			
	- R 280 Z - 254 TC					48.16	2.76	14.09	30.51	13.58	16.50	7.01	9.70	13.30	18.20			
SK 62	- 256 TC					49.96							9.70	13.30	20.00	5/8 x 5/8 x 4		
	- R 300 Z - 284 TC					51.52	1.69	16.30	34.80	16.81	19.53	8.27	12.70	15.20	20.30			
	- 286 TC					53.02							12.70	15.20	21.80			
	- R 350 Z - 200 L					58.58	1.69	16.30	34.80	16.81	19.53	8.27	12.05	15.67	27.09			
	- R 280 Z - 256 TC					52.76	2.76	14.09	30.51	13.58	16.50	7.01	9.70	13.30	20.00	5/8 x 5/8 x 4		
	- R 300 Z - 284 TC					54.32	1.69	16.30	34.80	16.81	19.53	8.27	12.70	15.20	20.30			
	- 286 TC					55.82							12.70	15.20	21.80			
SK 73	- R 350 Z - 200 L					61.11	1.69	16.30	34.80	16.81	19.53	8.27	12.05	15.67	27.09	3/4 x 3/4 x 4-1/2		
	- R 375 Z - 225 S					65.52	0	19.69	40.39	20.71	22.44	9.45	12.05	15.67	27.09			
	- 225 M					65.52							12.05	15.67	27.09			
	- R 400 Z - 250 M					64.53	0	19.69	40.39	20.71	22.44	9.45	16.93	20.47	31.10			
	- R 196 Z - 184 TC					44.81	6.30	9.84	25.91	10.16	12.60	5.04	5.90	8.50	14.00	3/4 x 3/4 x 4-1/2		
	- R 210 Z - 213 TC					46.88	5.91	10.63	26.46	10.31	13.23	5.51	7.40	10.30	15.60			
	- 215 TC					47.98							7.40	10.30	16.70			
SK 72	- R 250 Z - 254 TC					52.12	4.92	12.44	29.49	12.36	15.59	6.34	9.70	13.30	18.20	3/4 x 3/4 x 4-1/2		
	- R 280 Z - 254 TC					52.79	3.94	14.09	31.69	13.58	16.50	7.01	9.70	13.30	18.20			
	- 256 TC					54.59							9.70	13.30	20.00			
	- R 300 Z - 284 TC					56.15	2.87	16.30	35.98	16.81	19.53	8.27	12.70	15.20	20.30			
	- 286 TC					57.65							12.70	15.20	21.80			
	- R 350 Z - 200 L					62.94	2.87	16.30	35.98	16.81	19.53	8.27	12.05	15.67	27.09	3/4 x 3/4 x 4-1/2		
	- R 375 Z - 225 S					67.35	1.18	19.69	41.57	20.71	22.44	9.45	12.05	15.67	27.09			
SK 72	- 225 M					67.35							12.05	15.67	27.09			
	- R 400 Z - 250 M					71.36	1.18	19.69	41.57	20.71	22.44	9.45	16.93	20.47	31.10			
	- R 350 Z - 200 L					62.67	2.87	16.30	35.98	16.81	19.53	8.27	12.05	15.67	27.09	3/4 x 3/4 x 4-1/2		
SK 72	- R 375 Z - 225 S					67.08	1.18	19.69	41.57	20.71	22.44	9.45	12.05	15.67	27.09			
	- 225 M					67.08							12.05	15.67	27.09			
	- R 400 Z - 250 M					71.09	1.18	19.69	41.57	20.71	22.44	9.45	16.93	20.47	31.10			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FLANGE MOUNTED, DOUBLE AND TRIPLE REDUCTION



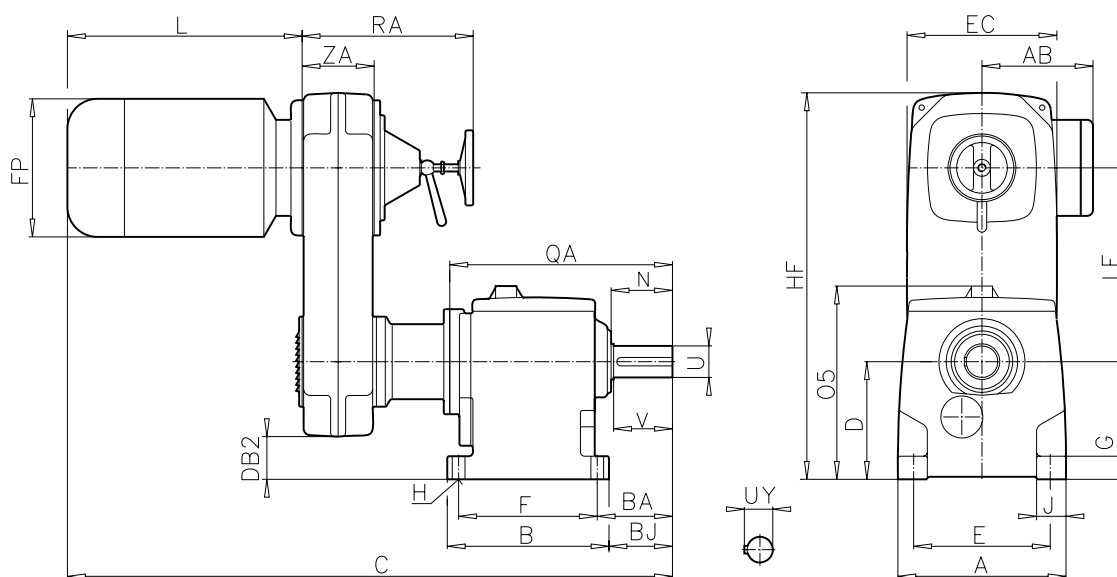
Type	Gear reducer dimensions					Outline dimensions							Motor dimensions			Shaft dimensions		
	AJ AK	AD AH1	BB BD BF	GA O5 SA	QA	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY Key	V
SK 63 F - R 150 Z - 184 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 254 TC - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	10.43	12.99	0.16	0.95		41.12	5.71	8.19	22.32	8.74	10.43	4.17	5.90	8.50	14.00	2.500	2.77	5.00
			11.81	15.55	19.76	41.98	4.92	9.84	24.53	10.16	12.60	5.04	5.90	8.50	12.30	5/8 x 5/8 x 4		
	9.055	5.00	0.55	9.65		43.68							5.90	8.50	14.00			
						45.75	4.53	10.63	25.08	10.31	13.23	5.51	7.40	10.30	15.60			
						46.85							7.40	10.30	16.70			
						49.22	3.74	12.44	28.11	12.36	15.59	6.34	9.70	13.30	18.20			
						49.89	2.56	14.09	30.31	13.58	16.50	7.01	9.70	13.30	18.20			
						53.25	1.50	16.30	34.61	16.81	19.53	8.27	12.70	15.20	20.30			
SK 62 F - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	10.43	12.99	0.16	0.95		54.49	2.56	14.09	30.31	13.58	16.50	7.01	9.70	13.30	20.00	2.500	2.77	5.00
			11.81	15.55	20.79	56.05	1.50	16.30	34.61	16.81	19.53	8.27	12.70	15.20	20.30	5/8 x 5/8 x 4		
	9.055	5.00	0.55	9.65		57.55							12.70	15.20	21.80			
						62.84	1.50	16.30	34.61	16.81	19.53	8.27	12.05	15.67	27.09			
						67.25	-0.20	19.69	40.20	20.71	22.44	9.45	12.05	15.67	27.09			
						67.25							12.05	15.67	27.09			
						66.26	-0.20	19.69	40.20	20.71	22.44	9.45	16.93	20.47	31.10			
SK 73 F - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 254 TC - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.81	15.75	0.20	0.95		47.37	6.10	9.84	25.71	10.16	12.60	5.04	5.90	8.50	14.00	3.000	3.33	5.50
			13.78	15.75	23.45	49.44	5.71	10.63	26.26	10.31	13.23	5.51	7.40	10.30	15.60	3/4 x 3/4 x 4-1/2		
	9.843	5.50	0.71	10.83		50.54							7.40	10.30	16.70			
						54.68	4.72	12.44	29.29	12.36	15.59	6.34	9.70	13.30	18.20			
						55.35	3.74	14.09	31.50	13.58	16.50	7.01	9.70	13.30	18.20			
						57.15							9.70	13.30	20.00			
						57.71	2.68	16.30	35.79	16.81	19.53	8.27	12.70	15.20	20.30			
						60.21							12.70	15.20	21.80			
						65.50	2.68	16.30	35.79	16.81	19.53	8.27	12.05	15.67	27.09			
						69.91	0.98	19.69	41.38	20.71	22.44	9.45	12.05	15.67	27.09			
						69.91							12.05	15.67	27.09			
SK 72 F - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.81	15.75	0.20	0.95		65.23	2.68	16.30	35.79	16.81	19.53	8.27	12.05	15.67	27.09	3.000	3.33	5.50
			13.78	15.75	23.18	69.94	0.98	19.69	41.38	20.71	22.44	9.45	12.05	15.67	27.09	3/4 x 3/4 x 4-1/2		
	9.843	5.50	0.71	10.83		69.94							12.05	15.67	27.09			
						73.65	0.98	19.69	41.38	20.71	22.44	9.45	16.93	20.47	31.10			

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VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FOOT MOUNTED, DOUBLE AND TRIPLE REDUCTION



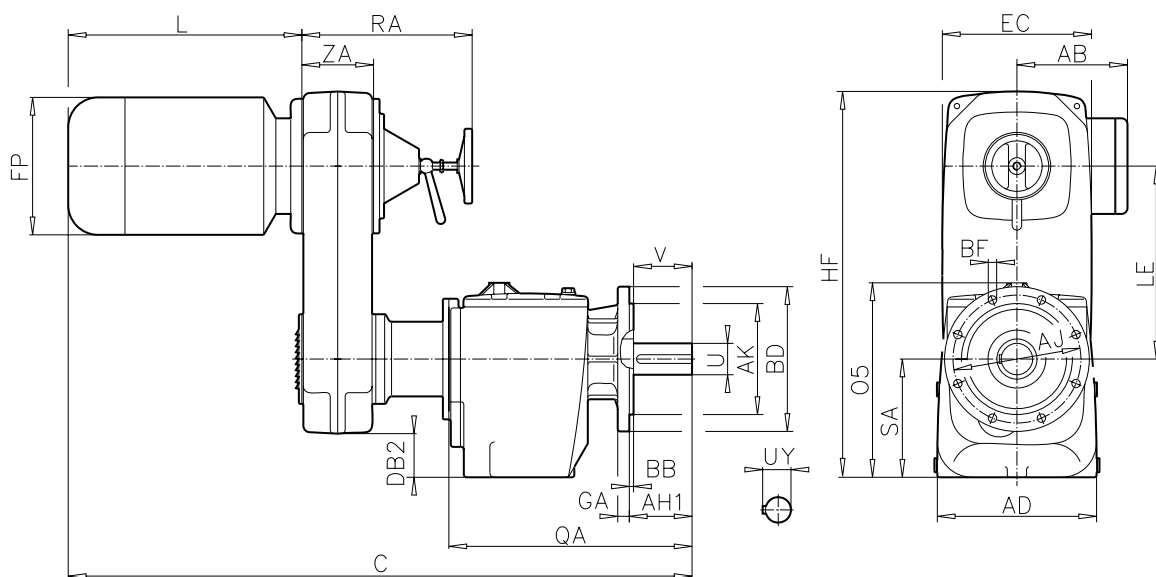
Type	Gear reducer dimensions					Outline dimensions								Motor dimensions			Shaft dimensions		
	A	BA	D	G	N	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V	
	B	BJ	E	H	O5														QA
SK 83	- R 210 Z	- 213 TC	- 215 TC	17.72	8.52	12.40	21.7	6.69	50.10	7.28	10.63	27.83	10.31	13.23	5.51	9.70	10.30	15.60	7/8 x 7/8 x 5-1/2
	- R 250 Z	- 254 TC		18.58	7.07	15.75	3.54	24.11	51.20						9.70	10.30	16.70		
	- R 280 Z	- 256 TC							55.34	6.30	12.44	30.87	12.36	15.59	6.34	9.70	13.30	18.20	
	- R 300 Z	- 256 TC	- 284 TC						57.81	5.31	14.09	33.07	13.58	16.50	7.01	9.70	13.30	20.00	
	- 286 TC								59.07	4.25	16.30	37.36	16.81	19.53	8.27	9.70	13.30	20.00	
									59.37							12.70	15.20	20.30	
									60.87							12.70	15.20	21.80	
- R 350 Z	- 200 L								66.16	4.25	16.30	37.36	16.81	19.53	8.27	12.05	15.67	27.09	
- R 375 Z	- 225 S	- 225 M							70.57	2.56	19.69	42.95	20.71	22.44	9.45	12.05	15.67	27.09	
- R 400 Z	- 250 M								70.57							12.05	15.67	27.09	
									74.58	2.56	19.69	42.95	20.71	22.44	9.45	19.63	20.47	31.10	
SK 82	- R 350 Z	- 200 L		17.72	8.52	12.40	2.17	6.99	68.76	4.25	16.30	37.36	16.81	19.53	8.27	12.05	15.67	27.09	7/8 x 7/8 x 5-1/2
				18.58	7.07	15.75	3.54	24.11											
SK 82	- R 375 Z	- 225 S	- 225 M	17.72	8.52	12.40	2.17	6.99	70.57	2.56	19.69	42.95	20.71	22.44	9.45	12.05	15.67	27.09	7/8 x 7/8 x 5-1/2
	- R 400 Z	- 250 M		18.58	7.07	15.75	3.54	24.74	74.58	2.56	19.69	42.95	20.71	22.44	9.45	19.63	20.47	31.10	
	- R 500 Z	- 280 S	- 280 M						80.26	- 0.79	19.69	60.79	35.20	25.24	11.81	17.91	22.64	34.06	
	- 315 S								80.26							17.91	22.64	34.06	
									84.39							20.28	25.39	38.19	
SK 93	- R 250 Z	- 254 TC		21.65	10.67	15.35	2.76	8.81	59.10	9.25	12.44	33.82	12.36	15.59	6.34	9.70	13.30	18.20	1 x 1 x 7-1/4
	- R 280 Z	- 256 TC				17.32	1.30	24.33	61.57	8.27	14.09	36.02	13.58	16.50	7.01	9.70	13.30	20.00	
	- R 300 Z	- 256 TC	- 284 TC	21.26	8.89	17.72	4.33	27.87	62.83	7.20	16.30	40.31	16.81	19.53	8.27	9.70	13.30	20.00	
	- 286 TC								63.13							12.70	15.20	20.30	
									64.63							12.70	15.20	21.80	
	- R 350 Z	- 200 L							69.92	7.20	16.30	40.31	16.81	19.53	8.27	12.05	15.67	27.09	
	- R 375 Z	- 225 S	- 225 M						74.33	5.51	19.69	45.91	20.71	22.44	9.45	12.05	15.67	27.09	
- R 400 Z	- 250 M							74.33							12.05	15.67	27.09		
									78.34	5.51	19.69	38.90	20.71	22.44	9.45	19.63	20.47	31.10	
SK 92	- R 375 Z	- 225 S	- 225 M	21.65	10.67	15.35	2.76	8.81	74.25	5.51	19.69	45.91	20.71	22.44	9.45	12.05	15.67	27.09	1 x 1 x 7-1/4
						17.32	1.30	24.33	74.25							12.05	15.67	27.09	
	- R 400 Z	- 250 M		21.26	8.89	17.72	4.33	28.42	78.26	5.51	19.69	45.91	20.71	22.44	9.45	16.93	20.47	31.10	
	- R 500 Z	- 280 S	- 280 M						83.94	2.17	19.69	63.74	35.20	25.24	11.81	17.91	22.64	34.06	
		- 315 S							83.94							17.91	22.64	34.06	
									88.07							20.28	25.39	38.19	

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FLANGE MOUNTED, DOUBLE AND TRIPLE REDUCTION



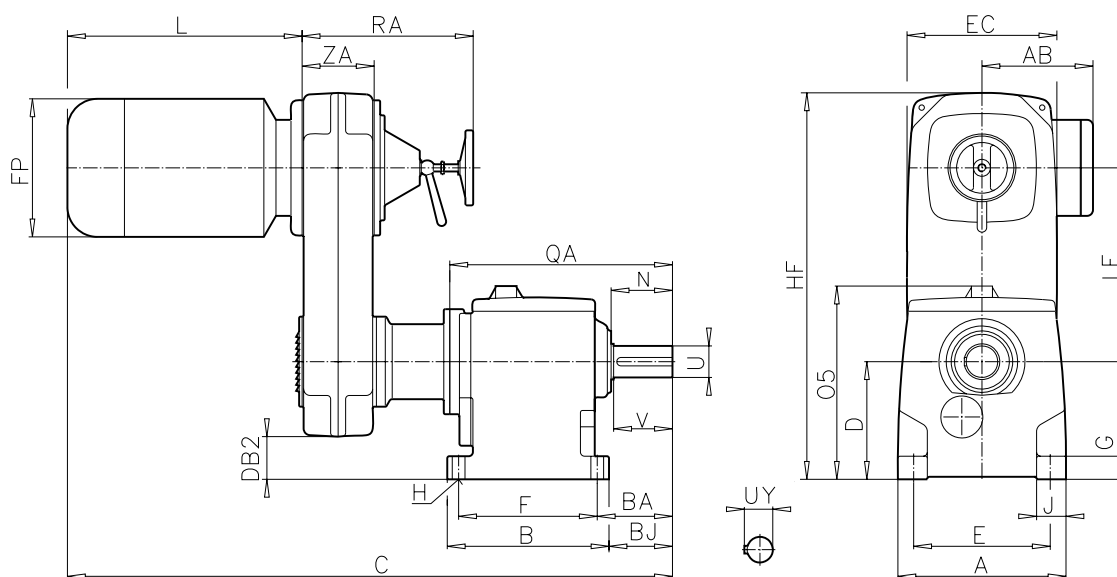
Type	Gear reducer dimensions						Outline dimensions							Motor dimensions			Shaft dimensions		
	AJ	AD	BB	GA	O5	QA	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	AK	AH1	BF	SA													Key		
SK 83 F - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 256 TC - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	15.75	17.72	0.20	1.02			53.09	7.05	10.63	27.60	10.31	13.23	5.51	7.40	10.30	15.60	3.500	3.88	6.75
			17.72	19.92	27.10		54.19							7.40	10.30	16.70			
	13.780	6.75	0.71	12.17			58.33	6.06	12.44	30.63	12.36	15.59	6.34	9.70	13.30	18.20			7/8 x 7/8 x 5-1/2
							60.80	5.08	14.09	32.83	13.58	16.50	7.01	9.70	13.30	20.00			
							62.06	4.02	16.30	37.13	16.81	19.53	8.27	9.70	13.30	20.00			
							62.36							12.70	15.20	20.30			
							63.86							12.70	15.20	21.80			
SK 82 F - R 350 Z - 200 L	15.75	17.72	0.20	1.02			69.15	4.02	16.30	37.13	16.81	19.53	8.27	12.05	15.67	27.09			
			17.72	19.92	27.06		73.56	2.32	19.69	42.72	20.71	22.44	9.45	12.05	15.67	27.09	3.500	3.88	6.75
	13.780	6.75	0.71	12.17			73.56							12.05	15.67	27.09			7/8 x 7/8 x 5-1/2
SK 82 F - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	15.75	17.72	0.20	1.02			73.52	2.32	19.69	42.72	20.71	22.44	9.45	12.05	15.67	27.09	3.500	3.88	6.75
			17.72	19.92	27.69		73.52							12.05	15.67	27.09			
	13.780	6.75	0.71	12.17			77.53	2.32	19.69	42.72	20.71	22.44	9.45	19.63	20.47	31.10			7/8 x 7/8 x 5-1/2
							83.21	-1.02	19.69	60.55	35.20	25.24	11.81	17.91	22.64	34.06			
SK 93 F - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 256 TC - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	15.75	21.65	0.20	1.10			83.21							17.91	22.64	34.06	4.250	4.69	8.50
							87.34							20.28	25.39	38.19			
							61.90	9.02	12.44	33.58	12.36	15.59	6.34	9.70	13.30	18.20			
						30.67	64.37	8.03	14.09	35.79	13.58	16.50	7.01	9.70	13.30	20.00			1 x 1 x 7-1/4
	13.780	8.50	0.71	15.12			65.63	6.97	16.30	40.08	16.81	19.53	8.27	9.70	13.30	20.00			
							65.63							12.70	15.20	20.30			
							67.43							12.70	15.20	21.80			
SK 92 F - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S							72.72	6.97	16.30	40.08	16.81	19.53	8.27	12.05	15.67	27.09			
							77.13	5.28	19.69	45.67	20.71	22.44	9.45	12.05	15.67	27.09			
							77.13							12.05	15.67	27.09			
							81.14	5.28	19.69	45.67	20.71	22.44	9.45	19.63	20.47	31.10			
	15.75	21.65	0.20	1.10			77.05	5.28	19.69	45.67	20.71	22.44	9.45	12.05	15.67	27.09	4.250	4.69	8.50
			17.72	24.09	31.22		77.05							12.05	15.67	27.09			
	13.780	8.50	0.71	15.12			81.06	5.28	19.69	45.67	20.71	22.44	9.45	16.93	20.47	31.10			1 x 1 x 7-1/4
							86.74	1.93	19.69	63.50	35.20	25.24	11.81	17.91	22.64	34.06			
							86.74							17.91	22.64	34.06			
							90.87							20.28	25.39	38.19			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



Z - DESIGN, FOOT MOUNTED, DOUBLE AND TRIPLE REDUCTION



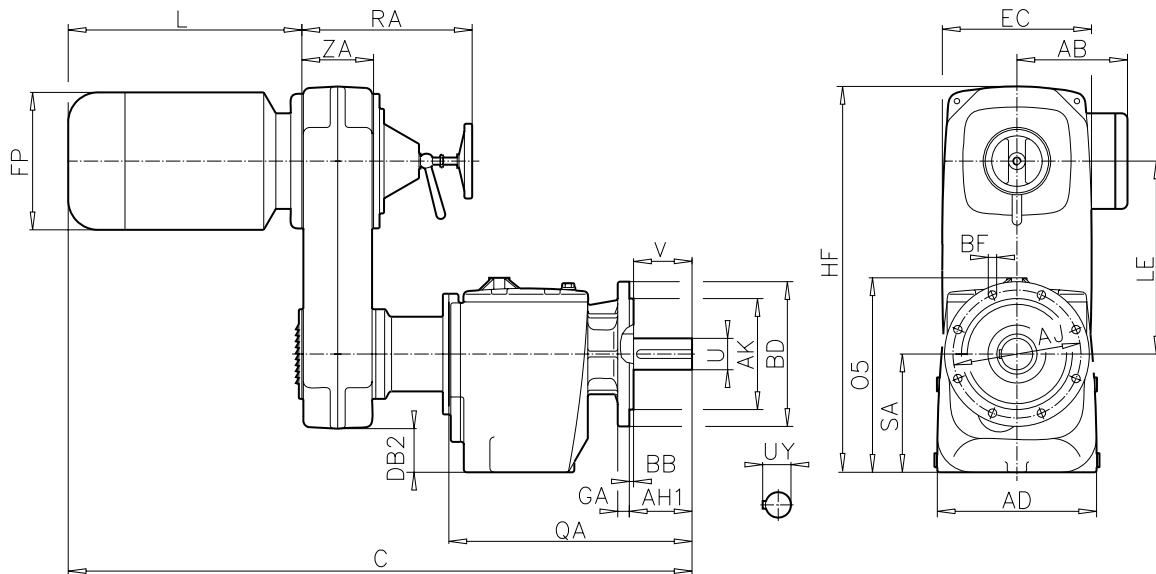
Type	Gear reducer dimensions						Outline dimensions							Motor dimensions			Shaft dimensions		
	A	BA	D	G	N		C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
	B	BJ	E	H	O5	QA											Key		
SK 103	- R 280 Z - 256 TC	23.62	12.76	17.72	3.15	10.39	65.94	10.63	14.09	38.39	13.58	16.50	7.01	9.70	13.30	20.00	5.250	5.80	10.0
							69.08	9.57	16.30	42.68	16.81	19.53	8.27	9.70	13.30	20.00			
							70.10							12.70	15.20	20.30			
	- 284 TC - 286 TC	24.61	10.39	19.88	4.72	32.24	71.60							12.70	15.20	21.80			
							76.89	9.57	16.30	42.68	16.81	19.53	8.27	12.05	15.67	27.09			
	- R 350 Z - 200 L						78.07	7.87	19.69	48.27	20.71	22.44	9.45	12.05	15.67	27.09			
	- R 375 Z - 225 S - 225 M						78.07							12.05	15.67	27.09			
SK 102	- R 400 Z - 250 M	23.62	12.76	17.72	3.15	10.39	81.73	7.87	19.69	48.27	20.71	22.44	9.45	16.93	20.47	31.10	5.250	5.80	10.0
	- R 500 Z - 280 S - 280 M - 315 S	24.61	10.39	19.88	4.72	31.89	87.76	4.53	19.69	66.10	35.20	25.24	11.81	17.91	22.64	34.06			
							87.76							17.91	22.64	34.06			
							91.54							20.28	25.39	38.19			
	- R 500 U - 280 S - 280 M - 315 S						87.41							17.91	22.64	34.06			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



U - DESIGN, FLANGE MOUNTED, DOUBLE AND TRIPLE REDUCTION



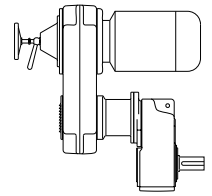
Type	Gear reducer dimensions					Outline dimensions								Motor dimensions			Shaft dimensions		
	AJ	AD	BB	GA	QA	C	DB2	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V	
	AK	AH1	BF	O5 SA															
SK 103 F - R 280 Z - 256 TC - R 300 Z - 256 TC - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	19.68	23.62	0.20	1.26		69.29	10.31	14.09	38.07	13.58	16.50	7.01	9.70	13.30	20.00	5.250	5.80	10.0	
			21.65	27.48	35.59	73.15	9.25	16.30	42.36	16.81	19.53	8.27	9.70	13.30	20.00	1-1/4x 1-1/4 x 8-3/8			
	17.717	10.00	0.71	17.40		73.45							12.70	15.20	20.30				
						74.95							12.70	15.20	21.80				
						80.24	9.25	16.30	42.36	16.81	19.53	8.27	12.05	15.67	27.09				
						81.42	7.56	19.69	47.95	20.71	22.44	9.45	12.05	15.67	27.09				
						81.42							12.05	15.67	27.09				
						85.43	7.56	19.69	47.95	20.71	22.44	9.45	16.93	20.47	31.10				
					91.11	4.21	19.69	65.79	20.71	22.44	9.45	17.91	22.64	34.06					
SK 102 F - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	19.68	23.62	0.20	1.26		85.08	7.56	19.69	47.95	20.71	22.44	9.45	16.93	20.47	31.10	5.250	5.80	10.0	
			21.65	27.48	35.24	90.76	4.21	19.69	65.79	35.20	25.24	11.81	17.91	22.64	34.06	1-1/4x 1-1/4 x 8-3/8			
	17.717	10.00	0.71	17.40		90.76							17.91	22.64	34.06				
						94.89							20.28	25.39	38.19				

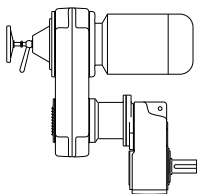
Technical design may be subject to change. DXF files available upon request.

NOTES



VARIABLE SPEED HELICAL SHAFT MOUNTING GEAR UNITS



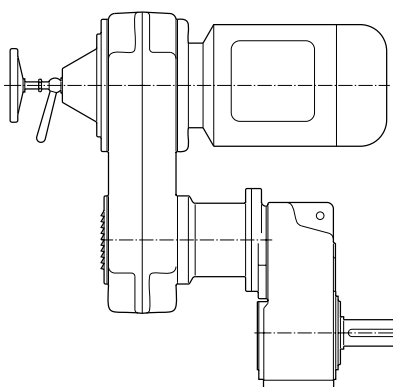


VARIABLE SPEED HELICAL SHAFT MOUNTING GEAR UNITS



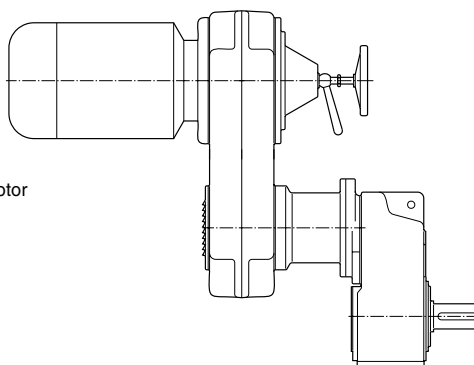
NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE
SHAFT MOUNTED , HOLLOW SHAFT	
SK 1282 A - SK 9282 A = Helical Shaft Mounting Gearboxes, double reduction	R 100 U
	R 150 U
	R 196 U
	R 210 U
	R 250 U
	R 280 U Variable speed drives U design
	R 300 U
	R 350 U
	R 375 U
	R 400 U
	R 500 U
SHAFT MOUNTED , SOLID SHAFT	
SK 1282 V - SK 9282 V = Helical Shaft Mounting Gearboxes, double reduction	
SK 6382 V - SK 9382 V = Helical Shaft Mounting Gearboxes, triple reduction	
	R 100 Z
	R 150 Z
	R 196 Z
	R 210 Z
	R 250 Z
	R 280 Z Variable speed drives Z design
	R 300 Z
	R 350 Z
	R 375 Z
	R 400 Z
	R 500 Z
HELICAL SHAFT MOUNTED GEAR UNITS - OPTIONS	
see catalog 1000	



STANDARD TYPE

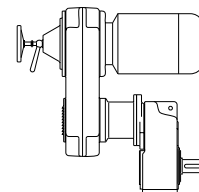
Variable speed helical shaft mounting geared motor
U - design (affix: U), with control gear type ZV



Variable speed helical shaft mounting geared motor
Z - design (affix: Z), with control gear type ZV



VARIABLE SPEED HELICAL SHAFT MOUNTING GEAR UNITS

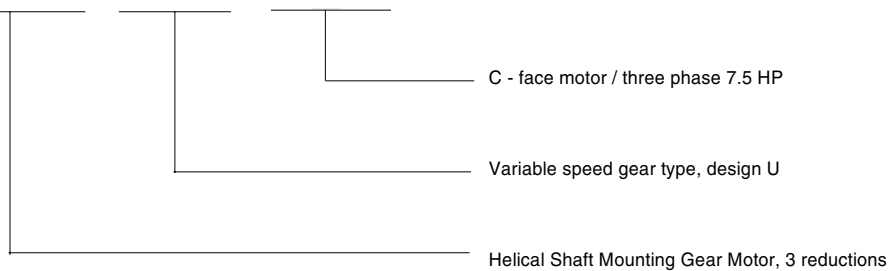


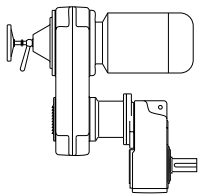
NOMENCLATURE

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
= Speed control ZV WST = Angular control EMFST= Electromechanical remote control SPEED INDICATORS BLA = Non contacting speed indicator, analogue BLD = Non contacting speed indicator, digital FAA = EMFST with remote speed indicator, analogue FAD = EMFST with remote speed indicator, digital	C - face 1/3 - 30 HP 56 C - 286 TC IEC 40 - 150 HP 200 L/4 - 315 S/4	BRE = with brake DG = Incremental encoder HL = Brake motor with hand release R = Backstop RG = Brake corrosion-protected	SR = Brake dust-proof TF = Thermistor TW = Thermal trip WE = 2nd motor shaft end

EXAMPLE FOR ORDERING:

SK 7382 A - R 210 U - 213 TC





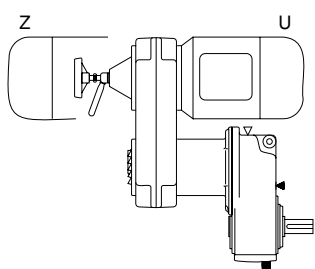
VARIABLE SPEED HELICAL SHAFT MOUNTING GEAR UNITS



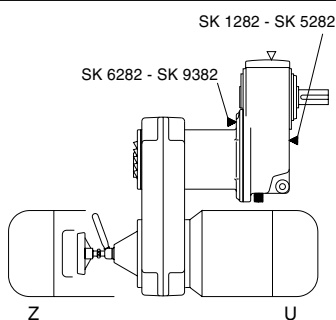
MOUNTING POSITIONS

Horizontal position

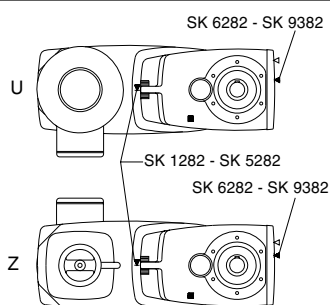
In all mounting positions the variable speed drive may be mounted at an angle of 90°.
affix: */1 = right , */2 = left



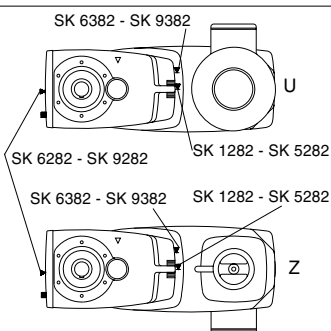
H 1 U (Z)



H 2 U (Z)

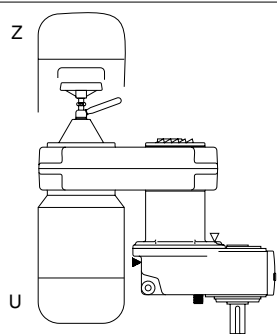


H 3 U (Z)

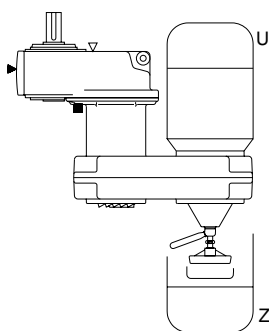


H 4 U (Z)

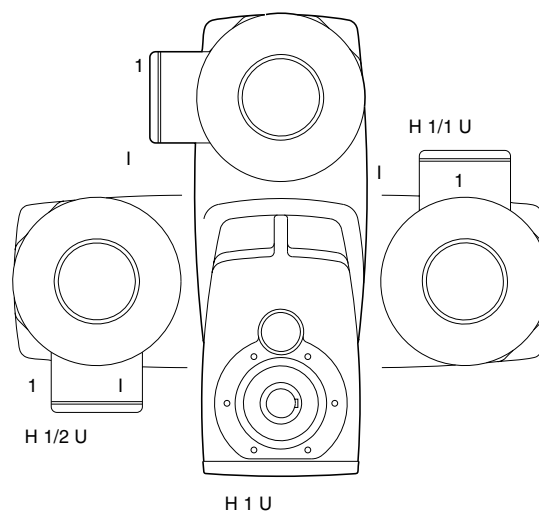
Vertical position



H 5 U (Z)



H 6 U (Z)



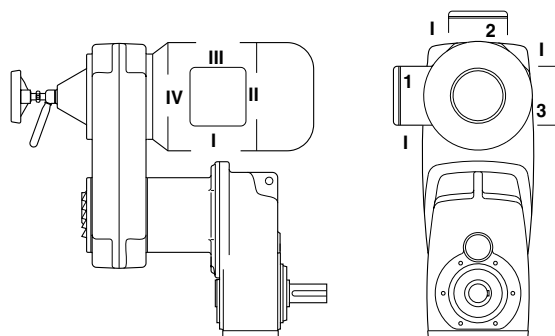
POSITION OF TERMINAL BOX AND CABLE ENTRY

Please specify position of terminal box and cable entry !

Normal design:

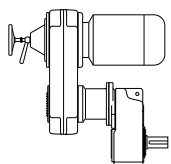
1/3 - 30 HP, Terminal Box at 3. Cable entry at I or III only.
40 - 150 HP , Terminal Box at 1. Cable entry at I.

If other position are required, please specify exactly when ordering.



Symbols: Vent plug Drain plug Oil level Rubber buffer

NOTES



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

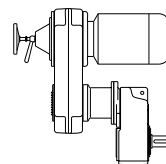


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight (460 V)		
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}			approx. [Lbs]	i _N [A]	i _{Regel}
0.33	34	6.9	545	2726	12.0	2.4	112.23	SK 3282 - R100 Z - 56 C	143	0.8	5.00
	38	7.6	489	2451	14.6	2.9	100.88				
	43	8.7	431	2151	15.2	3.0	88.74				
	48	9.7	388	1938	18.8	3.8	79.76				
	55	10.9	342	1717	14.6	2.9	70.56				
	30	6.1	619	3089	5.0	1.0	127.51	SK 2282 - R100 Z - 56 C	110	0.8	5.00
	37	7.4	505	2522	7.0	1.4	104.07				
	38	7.6	490	2451	6.3	1.3	100.98				
	47	9.4	400	2000	9.6	1.9	82.42				
	55	11.1	338	1690	11.6	2.3	69.67				
	60	12.1	310	1549	12.3	2.5	63.83				
	71	14.3	262	1310	16.3	3.3	53.96				
	86	17	219	1097	18.2	3.6	45.11				
	104	21	181	903	21.2	4.2	37.18				
	35	7.0	532	1850	3.5	1.0	109.50	SK 1282 - R100 U/Z - 56 C	77	0.8	5.00
	42	8.3	449	1965	4.4	1.0	92.48				
	48	9.5	394	1974	5.1	1.0	81.17				
	53	10.7	350	1752	5.7	1.1	72.17				
	58	11.6	321	1611	7.4	1.5	66.23				
	65	13.1	286	1434	8.4	1.7	58.89				
	70	13.9	269	1345	7.7	1.5	55.39				
	78	16	239	1195	9.6	1.9	49.25				
	84	17	224	1124	7.7	1.5	46.19				
	94	19	199	1000	9.6	1.9	41.07				
	120	24	156	779	12.8	2.6	32.08				
	136	27	137	688	14.5	2.9	28.33				
	153	31	122	612	16.3	3.3	25.22				
	188	38	100	499	19.9	4.0	20.57				
	224	45	83.2	418	23.8	4.7	17.21				
	273	55	68.1	342	27.3	5.4	14.11				
	328	66	57.5	286	31.4	6.3	11.76				
	373	75	50.4	251	34.4	6.9	10.34				
	420	84	44.3	223	37.8	7.5	9.18				
	468	94	39.8	200	42.4	8.5	8.24				
	533	107	35.4	176	46.8	9.4	7.24				
	600	120	31.0	156	51.7	10.3	6.43				
	705	141	26.6	133	57.3	11.5	5.47				
	805	161	23.0	116	46.5	9.2	4.79				
0.50	34	6.9	826	4124	7.9	1.6	112.23	SK 3282 - R100 Z - 56 C	143	1.1	5.00
	38	7.6	742	3708	9.6	1.9	100.88				
	43	8.7	653	3266	10.0	2.0	88.74				
	48	9.7	587	2929	12.4	2.5	79.76				
	55	10.9	519	2593	9.6	1.9	70.56				
	59	11.7	485	2425	13.8	2.8	65.89				
	69	13.8	411	2053	13.8	2.8	55.79				
	30	6.1	938	3089	3.3	1.0	127.51	SK 2282 - R100 Z - 56 C	110	1.1	5.00
	37	7.4	766	3513	4.6	1.0	104.07				
	38	7.6	743	3089	4.2	1.0	100.98				
	47	9.4	606	3036	6.3	1.3	82.42				
	55	11.1	512	2567	7.7	1.5	69.67				
	60	12.1	470	2345	8.1	1.6	63.83				
	71	14.3	396	1982	10.8	2.2	53.96				
	86	17	332	1655	12.0	2.4	45.11				
	104	21	273	1372	14.0	2.8	37.18				
	130	26	218	1089	17.6	3.5	29.65				
	144	29	197	982	15.7	3.1	26.83				
	35	7.0	805	1850	2.3	1.0	109.50	SK 1282 - R100 U/Z - 56 C	77	1.1	5.00
	42	8.3	681	1965	2.9	1.0	92.48				
	48	9.5	597	1991	3.3	1.0	81.17				
	53	10.7	531	1991	3.8	1.0	72.17				
	58	11.6	487	2390	4.9	1.0	66.23				

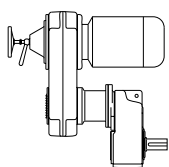


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				i _N [A]	i _{Regel}
0.50	65	13.1	433	2168	5.5	1.1	58.89	SK 1282 - R100 U/Z - 56 C	77	1.1	5.00
	70	13.9	407	2036	5.1	1.0	55.39				
	78	16	362	1814	6.4	1.3	49.25				
	84	17	340	1699	5.1	1.0	46.19				
	94	19	302	1513	6.4	1.3	41.07				
	120	24	236	1177	8.4	1.7	32.08				
	136	27	208	1044	9.6	1.9	28.33				
	153	31	186	929	10.7	2.1	25.22				
	188	38	151	757	13.2	2.6	20.57				
	224	45	127	633	15.7	3.1	17.21				
	273	55	104	519	17.9	3.6	14.11				
	328	66	86.7	433	20.8	4.2	11.76				
	373	75	76.1	381	22.8	4.6	10.34				
	420	84	67.3	337	24.9	5.0	9.18				
	468	94	60.2	303	28.1	5.6	8.24				
	533	107	53.1	266	31.2	6.2	7.24				
	600	120	46.9	236	34.2	6.8	6.43				
	705	141	39.8	201	38.2	7.6	5.47				
	805	161	35.4	176	30.2	6.1	4.79				
0.75	34	6.9	1239	6195	5.3	1.1	112.23	SK 3282 - R100 Z - 56 C	143	1.6	5.00
	38	7.6	1115	5567	6.4	1.3	100.88				
	43	8.7	982	4894	6.6	1.3	88.74				
	48	9.7	880	4398	8.3	1.7	79.76				
	55	10.9	779	3894	6.4	1.3	70.56				
	59	11.7	727	3637	9.2	1.8	65.89				
	69	13.8	616	3080	9.2	1.8	55.79				
	80	16	530	2646	9.2	1.8	48.04				
	92	18	464	2319	14.0	2.8	42.02				
	102	20	417	2080	17.5	3.5	37.77				
	121	24	352	1761	18.5	3.7	31.93				
0.75	30	6.1	1407	3089	2.2	1.0	127.51	SK 2282 - R100 Z - 56 C	110	1.6	5.00
	37	7.4	1151	3513	3.1	1.0	104.07				
	38	7.6	1115	3089	2.8	1.0	100.98				
	47	9.4	912	3823	4.2	1.0	82.42				
	55	11.1	769	3841	5.1	1.0	69.67				
	60	12.1	704	3522	5.4	1.1	63.83				
	71	14.3	596	2974	7.2	1.4	53.96				
	86	17	497	2487	8.0	1.6	45.11				
	104	21	411	2053	9.3	1.9	37.18				
	130	26	327	1637	11.7	2.3	29.65				
	144	29	296	1478	10.4	2.1	26.83				
	154	31	275	1381	13.9	2.8	24.97				
	161	32	265	1319	11.7	2.3	23.96				
	176	35	242	1212	15.8	3.2	21.90				
	208	42	204	1018	21.0	4.2	18.51				
0.75	35	7.0	1212	1850	1.5	1.0	109.50	SK 1282 - R100 U/Z - 56 C	77	1.6	5.00
	42	8.3	1018	1965	1.9	1.0	92.48				
	48	9.5	894	1991	2.2	1.0	81.17				
	53	10.7	797	1991	2.5	1.0	72.17				
	58	11.6	731	2390	3.3	1.0	66.23				
	65	13.1	650	2398	3.7	1.0	58.89				
	70	13.9	612	2080	3.4	1.0	55.39				
	78	16	543	2301	4.2	1.0	49.25				
	84	17	510	1735	3.4	1.0	46.19				
	94	19	453	1920	4.2	1.0	41.07				
	120	24	354	1770	5.6	1.1	32.08				
	136	27	312	1566	6.4	1.3	28.33				
	153	31	278	1389	7.2	1.4	25.22				
	188	38	227	1133	8.8	1.8	20.57				
	224	45	190	947	10.4	2.1	17.21				
	273	55	156	779	11.9	2.4	14.11				
	328	66	130	649	13.9	2.8	11.76				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

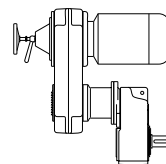


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				i_N [A]	i_{Regel}
0.75	373	75	114	571	15.2	3.0	10.34	SK 1282 - R100 U/Z - 56 C	77	1.6	5.00
	420	84	101	506	16.6	3.3	9.18				
	468	94	91.2	455	18.5	3.7	8.24				
	533	107	79.7	399	20.8	4.1	7.24				
	600	120	70.8	355	22.6	4.5	6.43				
	705	141	60.2	302	25.3	5.0	5.47				
	805	161	53.1	265	20.2	4.0	4.79				
1.00	34	6.9	1655	6522	3.9	1.0	112.23	SK 3282 - R100 Z - 143 TC	157	2.1	5.00
	38	7.6	1487	6744	4.8	1.1	100.88				
	43	8.7	1310	5930	5.0	1.1	88.74				
	48	9.7	1177	5328	6.2	1.4	79.76				
	55	10.9	1035	4717	4.8	1.1	70.56				
	59	11.7	974	4407	6.9	1.5	65.89				
	69	13.8	820	3726	6.9	1.5	55.79				
	80	16	707	3213	6.9	1.5	48.04				
	92	18	619	2805	10.5	2.3	42.02				
	102	20	556	2522	13.1	2.9	37.77				
	121	24	470	2133	13.9	3.1	31.93				
	134	27	422	1920	17.2	3.8	28.70				
	149	30	381	1726	19.1	4.2	25.88				
	30	6.1	1876	3089	1.6	1.0	127.51	SK 2282 - R100 Z - 143 TC	123	2.1	5.00
	37	7.4	1531	3513	2.3	1.0	104.07				
	38	7.6	1487	3089	2.1	1.0	100.98				
	47	9.4	1212	3823	3.2	1.0	82.42				
	55	11.1	1027	3921	3.8	1.0	69.67				
	60	12.1	938	3823	4.1	1.0	63.83				
	71	14.3	794	3602	5.4	1.2	53.96				
	86	17	664	3018	6.0	1.3	45.11				
	104	21	547	2487	7.0	1.5	37.18				
	130	26	436	1982	8.8	1.9	29.65				
	144	29	395	1797	7.8	1.7	26.83				
	154	31	367	1673	10.4	2.3	24.97				
	161	32	352	1602	8.8	1.9	23.96				
	176	35	322	1460	11.9	2.6	21.90				
	208	42	273	1239	15.8	3.5	18.51				
	233	47	243	1106	17.1	3.8	16.53				
	35	7.0	1611	1850	1.1	1.0	109.50	SK 1282 - R100 U/Z - 143 TC	90	2.1	5.00
	42	8.3	1363	1965	1.4	1.0	92.48				
	48	9.5	1195	1991	1.7	1.0	81.17				
	53	10.7	1062	1991	1.9	1.0	72.17				
	58	11.6	974	2390	2.5	1.0	66.23				
	65	13.1	866	2398	2.8	1.0	58.89				
	70	13.9	815	2080	2.6	1.0	55.39				
	78	16	725	2301	3.2	1.0	49.25				
	84	17	680	1735	2.6	1.0	46.19				
	94	19	604	1920	3.2	1.0	41.07				
	120	24	472	1991	4.2	1.0	32.08				
	136	27	417	1894	4.8	1.1	28.33				
	153	31	371	1682	5.4	1.2	25.22				
	188	38	303	1372	6.6	1.5	20.57				
	224	45	253	1151	7.8	1.7	17.21				
	273	55	208	947	8.9	2.0	14.11				
	328	66	173	786	10.5	2.3	11.76				
	373	75	152	691	11.4	2.5	10.34				
	420	84	135	613	12.4	2.7	9.18				
	468	94	121	550	13.9	3.1	8.24				
	533	107	106	484	15.6	3.4	7.24				
	600	120	94.7	430	16.9	3.7	6.43				
	705	141	80.5	366	18.9	4.2	5.47				
	805	161	70.8	320	15.1	3.3	4.79				

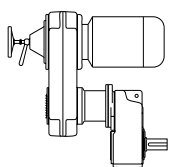


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				i _N [A]	i _{Regel}
1.50	34	6.9	2478	6522	2.6	1.0	112.23	SK 3282 - R100 Z - 145 TC	157	3.0	5.00
	38	7.6	2230	6744	3.2	1.1	100.88				
	43	8.7	1956	5930	3.3	1.1	88.74				
	48	9.7	1761	5328	4.1	1.4	79.76				
	55	10.9	1558	4717	3.2	1.1	70.56				
	59	11.7	1451	4407	4.6	1.5	65.89				
	69	13.8	1230	3726	4.6	1.5	55.79				
	80	16	1062	3213	4.6	1.5	48.04				
	92	18	929	2805	7.0	2.3	42.02				
	102	20	834	2522	8.7	2.9	37.77				
	121	24	704	2133	9.3	3.1	31.93				
	134	27	634	1920	11.5	3.8	28.70				
	149	30	571	1726	12.7	4.2	25.88				
	36	6.0	2354	6522	2.8	1.0	112.23	SK 3282 - R150 U/Z - 145 TC	172	3.0	6.00
	40	6.7	2115	7142	3.4	1.0	100.88				
	46	7.6	1859	6531	3.5	1.0	88.74				
	51	8.5	1673	7275	4.3	1.0	79.76				
	58	9.6	1478	4991	3.4	1.0	70.56				
	62	10.3	1381	6708	4.9	1.0	65.89				
	63	10.6	1345	7275	5.4	1.0	64.12				
	73	12.1	1168	5682	4.9	1.0	55.79				
	77	12.8	1106	6354	6.8	1.2	52.97				
	85	14.1	1009	4885	4.8	1.0	48.04				
	91	15.0	938	5381	7.0	1.2	44.85				
	97	16	881	5036	7.4	1.3	42.02				
	107	18	792	4531	9.2	1.6	37.77				
	127	21	669	3832	9.7	1.7	31.93				
	141	24	602	3443	12.1	2.1	28.70				
	157	26	543	3106	13.4	2.3	25.88				
	171	29	497	2841	14.3	2.5	23.71				
	181	30	471	2690	13.9	2.4	22.45				
	190	32	449	2567	14.2	2.5	21.38				
	201	34	423	2416	17.2	3.0	20.18				
	30	6.1	2814	3089	1.1	1.0	127.51	SK 2282 - R100 Z - 145 TC	123	3.0	5.00
	37	7.4	2292	3513	1.5	1.0	104.07				
	38	7.6	2230	3089	1.4	1.0	100.98				
	47	9.4	1823	3823	2.1	1.0	82.42				
	55	11.1	1540	3921	2.5	1.0	69.67				
	60	12.1	1407	3823	2.7	1.0	63.83				
	71	14.3	1195	3602	3.6	1.2	53.96				
	86	17	991	3018	4.0	1.3	45.11				
	104	21	820	2487	4.7	1.5	37.18				
	130	26	654	1982	5.8	1.9	29.65				
	144	29	592	1797	5.2	1.7	26.83				
	154	31	551	1673	6.9	2.3	24.97				
	161	32	528	1602	5.8	1.9	23.96				
	176	35	483	1460	7.9	2.6	21.90				
	208	42	409	1239	10.5	3.5	18.51				
	233	47	365	1106	11.4	3.8	16.53				
	32	5.3	2673	3089	1.2	1.0	127.51	SK 2282 - R150 U/Z - 145 TC	139	3.0	6.00
	39	6.5	2186	3513	1.6	1.0	104.07				
	40	6.7	2115	3089	1.5	1.0	100.98				
	49	8.2	1726	3823	2.2	1.0	82.42				
	58	9.7	1460	3921	2.7	1.0	69.67				
	64	10.6	1336	3823	2.9	1.0	63.83				
	75	12.5	1133	4275	3.8	1.0	53.96				
	79	13.1	1089	3823	3.5	1.0	51.71				
	93	15.0	920	4301	4.7	1.0	43.71				
	111	19	766	4115	5.4	1.0	36.54				
	130	22	655	3744	6.0	1.1	31.23				
	137	23	621	3558	6.2	1.1	29.65				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

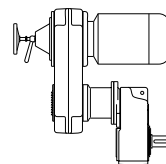


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				i_N [A]	i_{Regel}
1.50	151	25	563	3089	5.5	1.0	26.83	SK 2282 - R150 U/Z - 145 TC	139	3.0	6.00
	163	27	524	2991	7.3	1.3	24.97				
	169	28	503	2876	6.1	1.1	23.96				
	185	31	459	2628	8.3	1.5	21.90				
	219	37	389	2221	11.1	1.9	18.51				
	246	41	347	1982	12.0	2.1	16.53				
	48	9.5	1788	1991	1.1	1.0	81.17	SK 1282 - R100 U/Z - 145 TC	90	3.0	5.00
	53	10.7	1593	1991	1.2	1.0	72.17				
	58	11.6	1460	2390	1.6	1.0	66.23				
	65	13.1	1301	2398	1.8	1.0	58.89				
	70	13.9	1221	2080	1.7	1.0	55.39				
	78	16	1089	2301	2.1	1.0	49.25				
	84	17	1018	1735	1.7	1.0	46.19				
	94	19	903	1920	2.1	1.0	41.07				
	120	24	708	1991	2.8	1.0	32.08				
	136	27	625	1894	3.2	1.1	28.33				
	153	31	557	1682	3.6	1.2	25.22				
	188	38	454	1372	4.4	1.5	20.57				
	224	45	380	1151	5.2	1.7	17.21				
	273	55	312	947	6.0	2.0	14.11				
	328	66	259	786	7.0	2.3	11.76				
	373	75	228	691	7.6	2.5	10.34				
	420	84	203	613	8.3	2.7	9.18				
	468	94	181	550	9.3	3.1	8.24				
	533	107	160	484	10.3	3.4	7.24				
	600	120	142	430	11.3	3.7	6.43				
	705	141	120	366	12.6	4.2	5.47				
	805	161	105	320	10.2	3.3	4.79				
2.00	34	6.9	3301	6522	2.0	1.0	112.23	SK 3282 - R100 Z - 145 TC	157	3.4	5.00
	38	7.6	2965	6744	2.4	1.1	100.88				
	43	8.7	2611	5930	2.5	1.1	88.74				
	48	9.7	2345	5328	3.1	1.4	79.76				
	55	10.9	2080	4717	2.4	1.1	70.56				
	59	11.7	1938	4407	3.5	1.5	65.89				
	69	13.8	1637	3726	3.5	1.5	55.79				
	80	16	1416	3213	3.5	1.5	48.04				
	92	18	1239	2805	5.3	2.3	42.02				
	102	20	1115	2522	6.5	2.9	37.77				
	121	24	938	2133	7.0	3.1	31.93				
	134	27	844	1920	8.6	3.8	28.70				
	149	30	761	1726	9.6	4.2	25.88				
	36	6.0	3142	6522	2.1	1.0	112.23	SK 3282 - R150 U/Z - 145 TC	172	3.4	6.00
	40	6.7	2823	7142	2.5	1.0	100.88				
	46	7.6	2478	6531	2.6	1.0	88.74				
	51	8.5	2230	7275	3.3	1.0	79.76				
	58	9.6	1974	4991	2.5	1.0	70.56				
	62	10.3	1841	6708	3.6	1.0	65.89				
	63	10.6	1797	7275	4.0	1.0	64.12				
	73	12.1	1558	5682	3.6	1.0	55.79				
	77	12.8	1478	6354	5.1	1.2	52.97				
	85	14.1	1345	4885	3.6	1.0	48.04				
	91	15.0	1257	5381	5.2	1.2	44.85				
	97	16	1177	5036	5.5	1.3	42.02				
	107	18	1053	4531	6.9	1.6	37.77				
	127	21	894	3832	7.3	1.7	31.93				
	141	24	803	3443	9.1	2.1	28.70				
	157	26	724	3106	10.0	2.3	25.88				
	171	29	663	2841	10.7	2.5	23.71				
	181	30	627	2690	10.4	2.4	22.45				
	190	32	597	2567	10.7	2.5	21.38				
	201	34	564	2416	12.9	3.0	20.18				

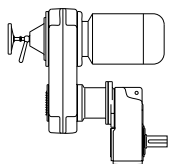


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
2.00	37	7.4	3062	3513	1.1	1.0	104.07	SK 2282 - R100 Z - 145 TC	123	3.4	5.00
	47	9.4	2425	3823	1.6	1.0	82.42				
	55	11.1	2053	3921	1.9	1.0	69.67				
	60	12.1	1876	3823	2.0	1.0	63.83				
	71	14.3	1584	3602	2.7	1.2	53.96				
	86	17	1328	3018	3.0	1.3	45.11				
	104	21	1097	2487	3.5	1.5	37.18				
	130	26	873	1982	4.4	1.9	29.65				
	144	29	789	1797	3.9	1.7	26.83				
	154	31	735	1673	5.2	2.3	24.97				
	161	32	705	1602	4.4	1.9	23.96				
	176	35	644	1460	5.9	2.6	21.90				
	208	42	544	1239	7.9	3.5	18.51				
	233	47	487	1106	8.6	3.8	16.53				
	39	6.5	2912	3513	1.2	1.0	104.07	SK 2282 - R150 U/Z - 145 TC	139	3.4	6.00
	40	6.7	2823	3089	1.1	1.0	100.98				
	49	8.2	2301	3823	1.7	1.0	82.42				
	58	9.7	1947	3921	2.0	1.0	69.67				
	64	10.6	1788	3823	2.1	1.0	63.83				
	75	12.5	1505	4275	2.8	1.0	53.96				
	79	13.1	1443	3823	2.7	1.0	51.71				
	93	15.0	1221	4301	3.5	1.0	43.71				
	111	19	1018	4115	4.0	1.0	36.54				
	130	22	873	3744	4.5	1.1	31.23				
	137	23	829	3558	4.6	1.1	29.65				
	151	25	750	3089	4.1	1.0	26.83				
	163	27	698	2991	5.5	1.3	24.97				
	169	28	670	2876	4.6	1.1	23.96				
	185	31	612	2628	6.2	1.5	21.90				
	219	37	518	2221	8.3	1.9	18.51				
	246	41	462	1982	9.0	2.1	16.53				
	58	11.6	1947	2390	1.2	1.0	66.23	SK 1282 - R100 U/Z - 145 TC	90	3.4	5.00
	65	13.1	1735	2398	1.4	1.0	58.89				
	70	13.9	1628	2080	1.3	1.0	55.39				
	78	16	1451	2301	1.6	1.0	49.25				
	84	17	1363	1735	1.3	1.0	46.19				
	94	19	1212	1920	1.6	1.0	41.07				
	120	24	947	1991	2.1	1.0	32.08				
	136	27	834	1894	2.4	1.1	28.33				
	153	31	742	1682	2.7	1.2	25.22				
	188	38	605	1372	3.3	1.5	20.57				
	224	45	506	1151	3.9	1.7	17.21				
	273	55	415	947	4.5	2.0	14.11				
	328	66	346	786	5.2	2.3	11.76				
	373	75	304	691	5.7	2.5	10.34				
	420	84	270	613	6.2	2.7	9.18				
	468	94	242	550	7.0	3.1	8.24				
	533	107	213	484	7.8	3.4	7.24				
	600	120	189	430	8.5	3.7	6.43				
	705	141	161	366	9.5	4.2	5.47				
	805	161	141	320	7.6	3.3	4.79				
3.00	7.4	1.2	23134	45755	2.0	1.0	551.58	SK 6382 - R150 Z - 145 TC	505	4.8	6.00
	9.1	1.5	18665	36905	2.0	1.0	445.09				
	10.3	1.7	16488	47153	3.2	1.1	393.19				
	12.8	2.1	13302	38046	3.8	1.3	317.28				
	15.0	2.5	11222	32090	4.6	1.6	267.59				
	16	2.7	10558	30187	3.8	1.3	251.76				
	18	3.0	9470	27072	3.8	1.3	225.79				
	19	3.2	8903	25461	4.6	1.6	212.33				
	24	3.9	7186	20550	6.9	2.4	171.34				
	25	4.2	6708	19169	7.6	2.7	159.88				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

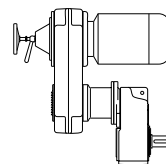


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				i_N [A]	i_{Regel}
3.00	32	5.3	5319	15213	7.6	2.7	126.87	SK 6382 - R150 Z - 145 TC	505	4.8	6.00
	35	5.9	4814	13762	10.8	3.8	114.79				
	44	7.3	3885	11107	13.7	4.8	92.63				
	54	9.0	3151	9018	16.9	5.9	75.18				
	55	9.2	3080	8815	16.0	5.6	73.50				
	6.6	1.1	25656	45755	1.8	1.0	551.58	SK 6382 - R196 U/Z - 182 TC	520	4.8	6.00
	8.2	1.4	20709	36905	1.8	1.0	445.09				
	9.3	1.6	18293	52038	2.8	1.0	393.19				
	11.5	1.9	14762	49914	3.4	1.0	317.28				
	13.7	2.3	12452	48949	4.2	1.1	267.59				
	14.5	2.4	11709	39648	3.4	1.0	251.76				
	16	2.7	10505	35577	3.4	1.0	225.79				
	17	2.9	9877	38843	4.2	1.1	212.33				
	21	3.6	7974	31347	6.2	1.6	171.34				
	40	6.6	4310	16948	12.3	3.1	92.63				
	49	8.1	3496	13753	15.2	3.9	75.18				
	50	8.3	3416	13443	14.4	3.7	73.50				
	61	10.2	2779	10912	17.5	4.5	59.66				
	30	5.0	5620	16072	3.4	1.2	134.03	SK 5282 - R150 Z - 145 TC	326	4.8	6.00
	41	6.8	4204	12018	4.7	1.7	100.19				
	44	7.4	3850	11009	4.9	1.7	91.81				
	50	8.3	3425	9788	4.7	1.7	81.61				
	59	9.9	2876	8231	7.9	2.8	68.63				
	73	12.1	2345	6699	9.2	3.2	55.90				
	27	4.6	6239	18992	3.0	1.0	134.03	SK 5282 - R196 U/Z - 182 TC	342	4.8	6.00
	37	6.1	4664	18328	4.3	1.1	100.19				
	40	6.6	4275	16797	4.4	1.1	91.81				
	45	7.5	3797	14930	4.3	1.1	81.61				
	53	8.9	3195	12558	7.1	1.8	68.63				
	65	10.9	2602	10222	8.3	2.1	55.90				
	71	11.8	2398	9416	9.5	2.4	51.49				
	77	12.9	2195	8646	8.3	2.1	47.27				
	87	14.5	1947	7673	13.0	3.3	41.94				
	90	14.9	1894	7461	10.0	2.5	40.80				
	103	17	1646	6487	13.0	3.3	35.46				
	109	18	1558	6115	11.6	2.9	33.43				
	26	4.4	6514	10965	1.7	1.0	155.40	SK 4282 - R150 Z - 145 TC	247	4.8	6.00
	37	6.1	4646	10965	2.4	1.0	110.78				
	45	7.5	3797	10859	3.4	1.2	90.52				
	54	9.0	3159	9045	3.5	1.2	75.39				
	66	11.0	2584	7390	5.1	1.8	61.60				
	78	13.0	2186	6257	6.6	2.3	52.20				
	90	15.0	1885	5399	5.8	2.0	45.05				
	93	16	1832	5230	7.4	2.6	43.65				
	100	17	1708	4885	6.4	2.2	40.74				
	106	18	1611	4593	8.9	3.1	38.31				
	112	19	1522	4363	7.4	2.6	36.40				
	127	21	1345	3841	11.4	4.0	32.04				
	24	3.9	7230	10965	1.5	1.0	155.40	SK 4282 - R196 U/Z - 182 TC	262	4.8	6.00
	33	5.5	5151	10965	2.1	1.0	110.78				
	40	6.7	4213	13063	3.1	1.0	90.52				
	49	8.1	3505	10974	3.1	1.0	75.39				
	59	9.9	2867	11266	4.6	1.2	61.60				
	70	11.7	2425	9549	5.9	1.5	52.20				
	81	13.5	2097	8239	5.2	1.3	45.05				
	84	14.0	2027	7983	6.7	1.7	43.65				
	90	15.0	1894	7452	5.8	1.5	40.74				
	96	16	1779	7009	8.1	2.1	38.31				
	101	17	1699	6655	6.7	1.7	36.40				
	114	19	1487	5859	10.3	2.6	32.04				

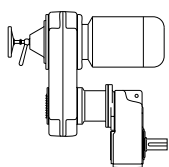


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
3.00	36	6.0	4708	6522	1.4	1.0	112.23	SK 3282 - R150 U/Z - 145 TC	201	4.8	6.00
	40	6.7	4230	7142	1.7	1.0	100.88				
	46	7.6	3717	6531	1.8	1.0	88.74				
	51	8.5	3345	7275	2.2	1.0	79.76				
	58	9.6	2956	4991	1.7	1.0	70.56				
	62	10.3	2761	6708	2.4	1.0	65.89				
	63	10.6	2690	7275	2.7	1.0	64.12				
	73	12.1	2336	5682	2.4	1.0	55.79				
	77	12.8	2221	6354	3.4	1.2	52.97				
	85	14.1	2018	4885	2.4	1.0	48.04				
	91	15.0	1885	5381	3.5	1.2	44.85				
	97	16	1761	5036	3.7	1.3	42.02				
	107	18	1584	4531	4.6	1.6	37.77				
	127	21	1336	3832	4.9	1.7	31.93				
	141	24	1204	3443	6.0	2.1	28.70				
	157	26	1089	3106	6.7	2.3	25.88				
	171	29	991	2841	7.2	2.5	23.71				
	181	30	938	2690	7.0	2.4	22.45				
	190	32	894	2567	7.1	2.5	21.38				
	201	34	846	2416	8.6	3.0	20.18				
	49	8.2	3460	3823	1.1	1.0	82.42	SK 2282 - R150 U/Z - 145 TC	168	4.8	6.00
	58	9.7	2921	3921	1.3	1.0	69.67				
	64	10.6	2673	3823	1.4	1.0	63.83				
	75	12.5	2266	4275	1.9	1.0	53.96				
	79	13.1	2168	3823	1.8	1.0	51.71				
	93	15.0	1832	4301	2.3	1.0	43.71				
	111	19	1531	4115	2.7	1.0	36.54				
	130	22	1310	3744	3.0	1.1	31.23				
	137	23	1239	3558	3.1	1.1	29.65				
	151	25	1124	3089	2.7	1.0	26.83				
	163	27	1044	2991	3.7	1.3	24.97				
	169	28	1009	2876	3.1	1.1	23.96				
	185	31	920	2628	4.2	1.5	21.90				
	219	37	776	2221	5.5	1.9	18.51				
	246	41	693	1982	6.0	2.1	16.53				
	307	51	555	1584	6.5	2.3	13.23				
	344	57	496	1416	6.9	2.4	11.81				
	400	67	426	1221	7.4	2.6	10.15				
	450	75	379	1080	7.8	2.7	9.03				
	485	81	351	1000	6.4	2.3	8.37				
	543	90	313	894	6.9	2.4	7.48				
	82	13.7	2062	2301	1.1	1.0	49.25	SK 1282 - R150 U/Z - 145 TC	143	4.8	6.00
	99	16	1726	1920	1.1	1.0	41.07				
	127	21	1345	1991	1.5	1.0	32.08				
	143	24	1186	1991	1.7	1.0	28.33				
	161	27	1053	1991	1.9	1.0	25.22				
	197	33	863	1991	2.3	1.0	20.57				
	236	39	721	1982	2.7	1.0	17.21				
	288	48	592	1690	3.1	1.1	14.11				
	345	58	493	1407	3.7	1.3	11.76				
	393	65	434	1239	4.0	1.4	10.34				
	442	74	385	1097	4.3	1.5	9.18				
	493	82	345	991	4.9	1.7	8.24				
	561	93	304	868	5.5	1.9	7.24				
	631	105	270	771	5.9	2.1	6.43				
	742	124	229	656	6.6	2.3	5.47				
	848	141	201	574	5.3	1.9	4.79				
5.00	9.5	1.6	29984	70738	3.7	1.6	386.68	SK 8382 - R196 Z - 184 TC	972	7.6	6.00
	11.5	1.9	24683	58224	4.7	2.0	318.31				
	18	3.0	15585	36772	6.1	2.6	201.00				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

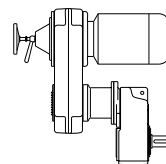


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				i_N [A]	i_{Regel}
5.00	10.8	1.8	26267	61977	2.5	1.1	338.79	SK 7382 - R196 U/Z - 184 TC	697	7.6	6.00
	13.4	2.2	21213	50047	3.1	1.3	273.57				
	17	2.8	16780	39595	4.4	1.9	216.43				
	24	4.1	11673	27541	5.7	2.4	150.57				
	30	4.9	9567	22568	7.0	3.0	123.37				
	6.6	1.1	42763	45755	1.1	1.0	551.58	SK 6382 - R196 U/Z - 184 TC	536	7.6	6.00
	8.2	1.4	34506	36905	1.1	1.0	445.09				
	9.3	1.6	30488	52038	1.7	1.0	393.19				
	11.5	1.9	24603	49914	2.0	1.0	317.28				
	13.7	2.3	20744	48949	2.5	1.1	267.59				
	14.5	2.4	19523	39648	2.0	1.0	251.76				
	16	2.7	17505	35577	2.0	1.0	225.79				
	17	2.9	16461	38843	2.5	1.1	212.33				
	21	3.6	13284	31347	3.7	1.6	171.34				
	23	3.8	12399	29249	4.1	1.7	159.88				
	29	4.8	9841	23205	4.1	1.7	126.87				
	32	5.3	8903	21001	5.8	2.5	114.79				
	40	6.6	7186	16948	7.4	3.1	92.63				
	49	8.1	5832	13753	9.1	3.9	75.18				
	50	8.3	5699	13443	8.6	3.7	73.50				
	61	10.2	4629	10912	10.5	4.5	59.66				
	27	4.6	10390	18992	1.8	1.0	134.03	SK 5282 - R196 U/Z - 184 TC	357	7.6	6.00
	37	6.1	7770	18328	2.6	1.1	100.19				
	40	6.6	7115	16797	2.7	1.1	91.81				
	45	7.5	6328	14930	2.6	1.1	81.61				
	53	8.9	5319	12558	4.3	1.8	68.63				
	65	10.9	4337	10222	5.0	2.1	55.90				
	71	11.8	3991	9416	5.7	2.4	51.49				
	77	12.9	3664	8646	5.0	2.1	47.27				
	87	14.5	3248	7673	7.8	3.3	41.94				
	90	14.9	3159	7461	6.0	2.5	40.80				
	103	17	2752	6487	7.8	3.3	35.46				
	109	18	2593	6115	7.0	2.9	33.43				
	33	5.5	8593	10965	1.3	1.0	110.78	SK 4282 - R196 U/Z - 184 TC	278	7.6	6.00
	40	6.7	7018	13063	1.9	1.0	90.52				
	49	8.1	5850	10974	1.9	1.0	75.39				
	59	9.9	4779	11266	2.7	1.2	61.60				
	70	11.7	4044	9549	3.6	1.5	52.20				
	81	13.5	3496	8239	3.1	1.3	45.05				
	84	14.0	3381	7983	4.0	1.7	43.65				
	90	15.0	3159	7452	3.5	1.5	40.74				
	96	16	2974	7009	4.8	2.1	38.31				
	101	17	2823	6655	4.0	1.7	36.40				
	114	19	2487	5859	6.2	2.6	32.04				
	138	23	2053	4832	6.4	2.7	26.43				
	163	27	1735	4098	8.3	3.5	22.39				
	171	28	1664	3921	7.9	3.3	21.45				
	46	7.6	6186	7275	1.2	1.0	79.76	SK 3282 - R196 U/Z - 184 TC	229	7.6	6.00
	56	9.3	5106	6708	1.3	1.0	65.89				
	57	9.5	4974	7275	1.5	1.0	64.12				
	66	10.9	4328	5682	1.3	1.0	55.79				
	69	11.5	4106	7478	1.8	1.0	52.97				
	76	12.7	3726	4885	1.3	1.0	48.04				
	82	13.6	3478	6522	1.9	1.0	44.85				
	87	14.5	3257	6514	2.0	1.0	42.02				
	97	16	2929	6912	2.5	1.1	37.77				
	115	19	2478	5841	2.6	1.1	31.93				
	128	21	2221	5248	3.3	1.4	28.70				
	141	24	2009	4735	3.6	1.5	25.88				
	154	26	1841	4337	3.9	1.6	23.71				
	163	27	1743	4106	3.7	1.6	22.45				

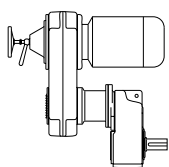


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
5.00	171	29	1655	3912	3.9	1.6	21.38	SK 3282 - R196 U/Z - 184 TC	229	7.6	6.00
	181	30	1566	3690	4.6	2.0	20.18				
	220	37	1292	3053	5.8	2.4	16.67				
	259	43	1097	2584	6.9	2.9	14.11				
	322	54	882	2080	8.2	3.5	11.38				
	373	62	760	1797	9.8	4.1	9.80				
	440	73	644	1522	9.2	3.9	8.31				
	546	91	519	1221	10.3	4.4	6.70				
	644	107	441	1035	11.1	4.7	5.68				
	81	13.5	3496	3983	1.1	1.0	45.11				
	84	14.0	3390	4301	1.3	1.0	43.71				
	100	17	2832	4115	1.5	1.0	36.54				
	117	20	2425	3938	1.6	1.0	31.23				
	123	21	2301	3823	1.7	1.0	29.65				
	136	23	2080	3089	1.5	1.0	26.83				
	147	24	1938	3823	2.0	1.0	24.97				
	153	25	1859	3089	1.7	1.0	23.96				
	167	28	1699	3823	2.2	1.0	21.90				
	198	33	1434	3390	3.0	1.3	18.51				
	221	37	1283	3027	3.2	1.4	16.53				
	277	46	1027	2416	3.5	1.5	13.23				
	310	52	912	2159	3.7	1.6	11.81				
	361	60	787	1859	4.0	1.7	10.15				
	405	68	700	1655	4.2	1.8	9.03				
	437	73	649	1531	3.5	1.5	8.37				
	489	82	580	1372	3.7	1.6	7.48				
	569	95	498	1177	4.0	1.7	6.43				
	640	107	443	1044	4.2	1.8	5.72				
	811	135	350	825	4.7	2.0	4.51				
7.50	22	3.6	19709	49321	11.4	4.6	175.05	SK 9382 - R210 Z - 213 TC	1680	11	6.00
	9.8	1.6	43542	108961	2.6	1.0	386.68	SK 8382 - R210 U/Z - 213 TC	1014	11	6.00
	11.9	2.0	35843	89695	3.2	1.3	318.31				
	19	3.1	22638	56640	4.2	1.7	201.00				
	26	4.4	16204	40551	6.8	2.7	143.91				
	30	5.0	14116	35329	7.6	3.1	125.38				
	32	5.3	13337	33382	8.3	3.3	118.47				
	11.2	1.9	38152	66729	1.7	1.0	338.79	SK 7382 - R210 U/Z - 213 TC	739	11	6.00
	13.8	2.3	30807	66729	2.2	1.0	273.57				
	17	2.9	24373	60985	3.0	1.2	216.43				
	25	4.2	16957	42427	3.9	1.6	150.57				
	31	5.1	13895	34763	4.8	1.9	123.37				
	35	5.9	12001	30037	5.6	2.2	106.59				
	9.6	1.6	44277	52038	1.2	1.0	393.19	SK 6382 - R210 U/Z - 213 TC	578	11	6.00
	11.9	2.0	35727	49914	1.4	1.0	317.28				
	14.1	2.4	30134	52038	1.7	1.0	267.59				
	15.0	2.5	28347	39648	1.4	1.0	251.76				
	17	2.8	25426	35577	1.4	1.0	225.79				
	18	3.0	23913	41330	1.7	1.0	212.33				
	22	3.7	19293	48277	2.6	1.0	171.34				
	24	3.9	18001	45047	2.8	1.1	159.88				
	30	5.0	14284	35745	2.8	1.1	126.87				
	33	5.5	12930	32347	4.0	1.6	114.79				
	41	6.8	10434	26099	5.1	2.0	92.63				
	50	8.4	8469	21187	6.3	2.5	75.18				
	51	8.6	8275	20709	6.0	2.4	73.50				
	63	10.6	6717	16815	7.2	2.9	59.66				
	74	12.3	5753	14390	7.8	3.1	51.07				
	89	14.8	4779	11965	8.4	3.4	42.46				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

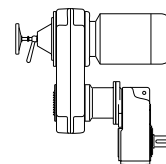


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				i_N [A]	i_{Regel}
7.50	28	4.7	15089	18992	1.3	1.0	134.03	SK 5282 - R210 U/Z - 213 TC	399	11	6.00
	38	6.3	11284	19833	1.8	1.0	100.19				
	41	6.9	10337	18983	1.8	1.0	91.81				
	46	7.7	9186	16178	1.8	1.0	81.61				
	55	9.2	7726	19337	2.9	1.2	68.63				
	68	11.3	6292	15753	3.4	1.4	55.90				
	73	12.2	5797	14505	3.9	1.6	51.49				
	80	13.3	5319	13319	3.4	1.4	47.27				
	90	15.0	4726	11815	5.4	2.1	41.94				
	107	18	3991	9992	5.4	2.1	35.46				
	113	19	3761	9416	4.8	1.9	33.43				
	124	21	3434	8593	6.6	2.6	30.50				
	151	25	2814	7045	7.9	3.2	25.00				
	42	7.0	10195	13063	1.3	1.0	90.52	SK 4282 - R210 U/Z - 213 TC	320	11	6.00
	50	8.4	8487	10974	1.3	1.0	75.39				
	61	10.2	6938	13063	1.9	1.0	61.60				
	72	12.1	5876	14417	2.5	1.0	52.20				
	84	14.0	5071	10956	2.2	1.0	45.05				
	87	14.4	4912	12302	2.8	1.1	43.65				
	93	15.0	4584	10974	2.4	1.0	40.74				
	99	16	4310	10797	3.3	1.3	38.31				
	104	17	4098	10257	2.8	1.1	36.40				
	118	20	3611	9027	4.3	1.7	32.04				
	143	24	2974	7452	4.4	1.8	26.43				
	144	24	2956	7399	3.7	1.5	26.25				
	169	28	2522	6310	5.7	2.3	22.39				
	176	29	2416	6045	5.4	2.2	21.45				
	208	35	2044	5124	6.8	2.7	18.18				
	249	41	1708	4283	8.6	3.4	15.20				
	298	50	1425	3575	10.1	4.0	12.68				
	71	11.9	5965	7478	1.3	1.0	52.97	SK 3282 - R210 U/Z - 213 TC	271	11	6.00
	84	14.0	5053	6522	1.3	1.0	44.85				
	90	15.0	4735	6514	1.4	1.0	42.02				
	98	16	4345	5611	1.3	1.0	38.62				
	100	17	4257	7275	1.7	1.0	37.77				
	118	20	3593	6522	1.8	1.0	31.93				
	132	22	3230	7275	2.3	1.0	28.70				
	146	24	2912	7275	2.5	1.0	25.88				
	159	27	2673	6673	2.7	1.1	23.71				
	168	28	2531	6328	2.6	1.0	22.45				
	177	29	2407	6027	2.7	1.1	21.38				
	187	31	2274	5691	3.2	1.3	20.18				
	227	38	1876	4699	4.0	1.6	16.67				
	268	45	1593	3974	4.8	1.9	14.11				
	332	55	1283	3204	5.7	2.3	11.38				
	386	64	1106	2761	6.7	2.7	9.80				
	455	76	938	2345	6.3	2.5	8.31				
	564	94	755	1885	7.1	2.8	6.70				
	665	111	640	1602	7.6	3.0	5.68				
	883	147	482	1204	8.5	3.4	4.48				
10.0	22	3.6	26285	49321	8.6	4.6	175.05	SK 9382 - R210 Z - 215 TC	1693	14	6.00
	9.8	1.6	58056	108961	1.9	1.0	386.68	SK 8382 - R210 U/Z - 215 TC	1028	14	6.00
	11.9	2.0	47790	89695	2.4	1.3	318.31				
	19	3.1	30179	56640	3.2	1.7	201.00				
	26	4.4	21612	40551	5.1	2.7	143.91				
	30	5.0	18824	35329	5.7	3.1	125.38				
	32	5.3	17789	33382	6.2	3.3	118.47				
	11.2	1.9	50870	66729	1.3	1.0	338.79	SK 7382 - R210 U/Z - 215 TC	752	14	6.00
	13.8	2.3	41073	66729	1.6	1.0	273.57				

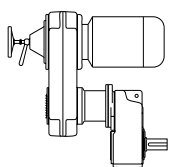


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
10.0	17	2.9	32497	60985	2.3	1.2	216.43	SK 7382 - R210 U/Z - 215 TC	752	14	6.00
	25	4.2	22612	42427	3.0	1.6	150.57				
	31	5.1	18523	34763	3.6	1.9	123.37				
	35	5.9	16001	30037	4.2	2.2	106.59				
	14.1	2.4	40179	52038	1.3	1.0	267.59	SK 6382 - R210 U/Z - 215 TC	591	14	6.00
	18	3.0	31878	41330	1.3	1.0	212.33				
	22	3.7	25727	48277	1.9	1.0	171.34				
	24	3.9	24001	45047	2.1	1.1	159.88				
	30	5.0	19045	35745	2.1	1.1	126.87				
	33	5.5	17240	32347	3.0	1.6	114.79				
	41	6.8	13912	26099	3.8	2.0	92.63				
	50	8.4	11284	21187	4.7	2.5	75.18				
	51	8.6	11036	20709	4.5	2.4	73.50				
	63	10.6	8956	16815	5.4	2.9	59.66				
	74	12.3	7664	14390	5.9	3.1	51.07				
	89	14.8	6372	11965	6.3	3.4	42.46				
	38	6.3	15045	19833	1.3	1.0	100.19	SK 5282 - R210 U/Z - 215 TC	412	14	6.00
	41	6.9	13788	18983	1.4	1.0	91.81				
	46	7.7	12257	16178	1.3	1.0	81.61				
	55	9.2	10301	19337	2.2	1.2	68.63				
	68	11.3	8390	15753	2.6	1.4	55.90				
	73	12.2	7735	14505	2.9	1.6	51.49				
	80	13.3	7098	13319	2.6	1.4	47.27				
	90	15.0	6301	11815	4.0	2.1	41.94				
	107	18	5328	9992	4.0	2.1	35.46				
	113	19	5018	9416	3.6	1.9	33.43				
	124	21	4575	8593	4.9	2.6	30.50				
	151	25	3752	7045	5.9	3.2	25.00				
	61	10.2	9248	13063	1.4	1.0	61.60	SK 4282 - R210 U/Z - 215 TC	333	14	6.00
	72	12.1	7841	14417	1.8	1.0	52.20				
	84	14.0	6761	10956	1.6	1.0	45.05				
	87	14.4	6558	12302	2.1	1.1	43.65				
	93	15.0	6115	10974	1.8	1.0	40.74				
	99	16	5753	10797	2.5	1.3	38.31				
	104	17	5469	10257	2.1	1.1	36.40				
	118	20	4814	9027	3.2	1.7	32.04				
	143	24	3965	7452	3.3	1.8	26.43				
	169	28	3363	6310	4.3	2.3	22.39				
	176	29	3221	6045	4.1	2.2	21.45				
	208	35	2726	5124	5.1	2.7	18.18				
	249	41	2283	4283	6.5	3.4	15.20				
	298	50	1903	3575	7.6	4.0	12.68				
	100	17	5673	7275	1.3	1.0	37.77	SK 3282 - R210 U/Z - 215 TC	284	14	6.00
	118	20	4797	6522	1.4	1.0	31.93				
	132	22	4310	7275	1.7	1.0	28.70				
	146	24	3885	7275	1.9	1.0	25.88				
	159	27	3558	6673	2.0	1.1	23.71				
	168	28	3372	6328	1.9	1.0	22.45				
	177	29	3213	6027	2.0	1.1	21.38				
	187	31	3027	5691	2.4	1.3	20.18				
	227	38	2505	4699	3.0	1.6	16.67				
	268	45	2115	3974	3.6	1.9	14.11				
	332	55	1708	3204	4.3	2.3	11.38				
	386	64	1469	2761	5.1	2.7	9.80				
	455	76	1248	2345	4.7	2.5	8.31				
	564	94	1009	1885	5.3	2.8	6.70				
15.0	665	111	853	1602	5.7	3.0	5.68	SK 9382 - R250 Z - 254 TC	1896	21	6.00
	883	147	643	1204	6.3	3.4	4.48				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

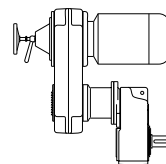


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
15.0	18	3.1	46100	82394	4.2	2.4	204.68	SK 9382 - R250 Z - 254 TC	1896	21	6.00
	22	3.6	39427	70464	5.7	3.2	175.05				
	26	4.4	32586	58242	6.5	3.6	144.69				
	28	4.6	30603	54702	7.3	4.1	135.90				
	9.8	1.6	87093	112395	1.3	1.0	386.68	SK 8382 - R250 Z - 254 TC	1230	21	6.00
	11.9	2.0	71694	115050	1.6	1.0	318.31				
	12.9	2.1	66216	112395	1.7	1.0	294.01				
	16	2.6	54507	97421	2.1	1.2	242.02				
	19	3.1	45268	80907	2.1	1.2	201.00				
	20	3.4	41816	74738	2.7	1.5	185.66				
	25	4.1	34418	61516	3.4	1.9	152.83				
	26	4.4	32409	57932	3.4	1.9	143.91				
	30	5.0	28240	50472	3.8	2.1	125.38				
	32	5.3	26683	47693	4.1	2.3	118.47				
	37	6.1	23249	41542	4.6	2.6	103.21				
	42	6.9	20479	36604	5.2	2.9	90.94				
	9.2	1.5	92713	112395	1.2	1.0	386.68	SK 8382 - R280 U/Z - 254 TC	1248	21	6.00
	11.2	1.9	76322	115050	1.5	1.0	318.31				
	12.1	2.0	70490	112395	1.6	1.0	294.01				
	14.7	2.4	58029	115935	2.0	1.0	242.02				
	18	2.9	48197	95580	2.0	1.0	201.00				
	19	3.2	44516	112218	2.5	1.0	185.66				
	23	3.9	36648	98244	3.2	1.2	152.83				
	25	4.1	34506	92509	3.2	1.2	143.91				
	28	4.7	30063	80597	3.6	1.3	125.38				
	30	5.0	28409	76154	3.9	1.4	118.47				
	34	5.7	24745	66340	4.3	1.6	103.21				
	39	6.5	21806	58454	4.9	1.8	90.94				
	13.8	2.3	61614	66729	1.1	1.0	273.57	SK 7382 - R250 U/Z - 254 TC	955	21	6.00
	17	2.9	48746	73455	1.5	1.0	216.43				
	18	3.1	46170	66729	1.4	1.0	204.99				
	23	3.9	36524	55490	1.5	1.0	162.17				
	25	4.2	33913	60614	2.0	1.1	150.57				
	31	5.1	27789	49657	2.4	1.3	123.37				
	35	5.9	24010	42905	2.8	1.6	106.59				
	41	6.8	20983	37506	3.2	1.8	93.18				
	48	8.0	17753	31727	3.7	2.1	78.81				
	55	9.2	15337	27417	4.2	2.3	68.10				
	22	3.7	38586	49295	1.3	1.0	171.34	SK 6382 - R250 U/Z - 254 TC	767	21	6.00
	24	3.9	36011	51065	1.4	1.0	159.88				
	30	5.0	28577	40533	1.4	1.0	126.87				
	33	5.5	25851	46206	2.0	1.1	114.79				
	41	6.8	20859	37285	2.5	1.4	92.63				
	50	8.4	16930	30267	3.1	1.8	75.18				
	51	8.6	16550	29586	3.0	1.7	73.50				
	63	10.6	13434	24019	3.6	2.0	59.66				
	74	12.3	11505	20559	3.9	2.2	51.07				
	89	14.8	9567	17089	4.2	2.4	42.46				
	104	17	8186	14629	4.9	2.8	36.34				
	122	20	6965	12443	5.8	3.2	30.91				
	132	22	6469	11558	6.3	3.5	28.72				
	55	9.2	15461	22736	1.5	1.0	68.63	SK 5282 - R250 U/Z - 254 TC	589	21	6.00
	68	11.3	12594	21470	1.7	1.0	55.90				
	73	12.2	11594	20727	2.0	1.1	51.49				
	80	13.3	10647	18143	1.7	1.0	47.27				
	90	15.0	9443	16886	2.7	1.5	41.94				
	107	18	7983	14275	2.7	1.5	35.46				
	113	19	7531	13461	2.4	1.3	33.43				
	124	21	6868	12275	3.3	1.8	30.50				
	151	25	5629	10062	4.0	2.2	25.00				

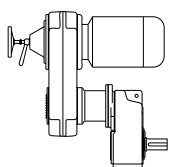


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
15.0	186	31	4584	8195	5.3	3.0	20.36	SK 5282 - R250 U/Z - 254 TC	589	21	6.00
	200	33	4248	7602	4.8	2.7	18.88				
	215	36	3965	7080	5.9	3.3	17.59				
	72	12.1	11753	14417	1.2	1.0	52.20	SK 4282 - R250 U/Z - 254 TC	509	21	6.00
	84	14.0	10142	10956	1.1	1.0	45.05				
	87	14.4	9832	13567	1.4	1.0	43.65				
	93	15.0	9177	10974	1.2	1.0	40.74				
	99	16	8629	14408	1.7	1.0	38.31				
	104	17	8195	11319	1.4	1.0	36.40				
	118	20	7213	12894	2.1	1.2	32.04				
	143	24	5956	10638	2.2	1.2	26.43				
	169	28	5045	9009	2.9	1.6	22.39				
	176	29	4832	8638	2.7	1.5	21.45				
	208	35	4098	7319	3.4	1.9	18.18				
	249	41	3425	6115	4.3	2.4	15.20				
	298	50	2859	5106	5.1	2.8	12.68				
	348	58	2443	4372	5.9	3.3	10.85				
	409	68	2080	3717	7.0	3.9	9.23				
	454	76	1876	3354	5.3	3.0	8.33				
	530	88	1602	2867	6.3	3.5	7.13				
	624	104	1363	2443	7.5	4.2	6.06				
	696	116	1221	2186	7.5	4.2	5.43				
	756	126	1124	2009	7.6	4.3	5.00				
	804	134	1062	1894	7.8	4.4	4.70				
20.0	10.1	1.7	112643	224790	2.0	1.0	352.36	SK 9382 - R280 Z - 256 TC	1932	27	6.00
	12.2	2.0	93111	187213	2.3	1.1	291.25				
	17	2.9	65437	131573	3.0	1.5	204.68				
	20	3.4	55959	112519	4.0	2.0	175.05				
	25	4.1	46259	93005	4.6	2.3	144.69				
	26	4.4	43445	87358	5.2	2.6	135.90				
	31	5.1	36949	74287	6.1	3.0	115.57				
	35	5.9	32249	64853	7.0	3.5	100.89				
	43	7.1	26594	53472	8.0	4.0	83.19				
	10.9	1.8	103678	224790	2.2	1.0	352.36	SK 9382 - R300 U/Z - 256 TC	1991	27	6.00
	13.2	2.2	85695	212400	2.5	1.0	291.25				
	19	3.1	60224	164150	3.2	1.2	204.68				
	22	3.7	51507	140388	4.4	1.6	175.05				
	27	4.4	42569	116032	5.0	1.8	144.69				
	28	4.7	39984	108988	5.6	2.1	135.90				
	33	5.6	34002	92686	6.6	2.4	115.57				
	38	6.4	29683	80907	7.6	2.8	100.89				
	46	7.7	24479	66711	8.7	3.2	83.19				
	11.2	1.9	101757	115050	1.1	1.0	318.31	SK 8382 - R280 U/Z - 256 TC	1266	27	6.00
	12.1	2.0	93996	112395	1.2	1.0	294.01				
	14.7	2.4	77367	115935	1.5	1.0	242.02				
	18	2.9	64260	95580	1.5	1.0	201.00				
	19	3.2	59357	112218	1.9	1.0	185.66				
	23	3.9	48861	98244	2.4	1.2	152.83				
	25	4.1	46002	92509	2.4	1.2	143.91				
	28	4.7	40082	80597	2.7	1.3	125.38				
	30	5.0	37869	76154	2.9	1.4	118.47				
	34	5.7	32993	66340	3.2	1.6	103.21				
	39	6.5	29072	58454	3.7	1.8	90.94				
	47	7.8	24196	48657	4.4	2.2	75.69				
	54	9.1	20851	41922	4.8	2.4	65.22				
	62	10.3	18364	36913	5.8	2.9	57.43				
	74	12.4	15284	30727	7.0	3.5	47.80				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

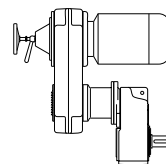


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				I_N [A]	i_{Regel}
20.0	16	2.7	69189	73455	1.1	1.0	216.43	SK 7382 - R280 U/Z - 256 TC	990	27	6.00
	22	3.6	51843	55490	1.1	1.0	162.17				
	24	3.9	48135	66729	1.4	1.0	150.57				
	29	4.8	39436	66729	1.7	1.0	123.37				
	33	5.6	34073	66729	2.0	1.0	106.59				
	38	6.3	29789	59897	2.2	1.1	93.18				
	45	7.5	25196	50657	2.6	1.3	78.81				
	52	8.7	21771	43772	2.9	1.5	68.10				
	60	9.9	19028	38259	3.3	1.6	59.52				
	67	11.1	17063	34311	3.7	1.8	53.38				
	76	12.7	14912	29993	4.2	2.1	46.66				
	96	16	11806	23736	5.0	2.5	36.92				
	31	5.2	36701	52038	1.4	1.0	114.79	SK 6382 - R280 U/Z - 256 TC	803	27	6.00
	38	6.4	29612	53100	1.8	1.0	92.63				
	47	7.9	24037	48330	2.2	1.1	75.18				
	48	8.0	23497	47250	2.1	1.0	73.50				
	60	9.9	19072	38347	2.6	1.3	59.66				
	70	11.6	16328	32825	2.8	1.4	51.07				
	84	13.9	13576	27293	3.0	1.5	42.46				
	98	16	11620	23355	3.5	1.7	36.34				
	115	19	9885	19868	4.1	2.0	30.91				
	124	21	9177	18461	4.4	2.2	28.72				
	145	24	7806	15700	5.3	2.6	24.42				
	155	26	7337	14753	5.5	2.7	22.95	SK 6282 - R280 U/Z - 256 TC	836	27	6.00
	190	32	5983	12018	6.5	3.3	18.70				
	64	10.6	17868	21470	1.2	1.0	55.90	SK 5282 - R280 U/Z - 256 TC	624	27	6.00
	69	11.5	16461	22709	1.4	1.0	51.49				
	75	12.5	15116	18143	1.2	1.0	47.27				
	85	14.1	13408	25346	1.9	1.0	41.94				
	87	14.5	13045	18983	1.5	1.0	40.80				
	100	17	11337	21417	1.9	1.0	35.46				
	106	18	10691	18036	1.7	1.0	33.43				
	116	19	9753	19603	2.3	1.2	30.50				
	142	24	7992	16072	2.8	1.4	25.00				
	174	29	6505	13089	3.7	1.9	20.36				
	188	31	6036	12133	3.4	1.7	18.88				
	202	34	5620	11310	4.2	2.1	17.59				
	231	38	4921	9885	4.0	2.0	15.38				
	273	46	4160	8354	5.6	2.8	13.00				
	331	55	3425	6885	5.5	2.7	10.71				
	375	63	3027	6080	6.0	3.0	9.46				
	408	68	2779	5593	6.8	3.4	8.70				
	495	83	2292	4611	8.3	4.1	7.17				
	561	93	2027	4071	9.2	4.6	6.33				
	622	104	1823	3673	8.4	4.2	5.71				
	671	112	1690	3398	8.7	4.3	5.29				
25.0	10.9	1.8	129591	224790	1.7	1.0	352.36	SK 9382 - R300 U/Z - 284 TC	2042	34	6.00
	13.2	2.2	107120	212400	2.0	1.0	291.25				
	19	3.1	75278	164150	2.6	1.2	204.68				
	22	3.7	64384	140388	3.5	1.6	175.05				
	27	4.4	53215	116032	4.0	1.8	144.69				
	28	4.7	49985	108988	4.5	2.1	135.90				
	33	5.6	42507	92686	5.3	2.4	115.57				
	38	6.4	37108	80907	6.1	2.8	100.89				
	46	7.7	30594	66711	6.9	3.2	83.19				
	59	9.9	24001	52330	8.9	4.1	65.25				
	16	2.7	89013	115935	1.3	1.0	242.02	SK 8382 - R300 U/Z - 284 TC	1376	34	6.00
	19	3.2	73924	95580	1.3	1.0	201.00				

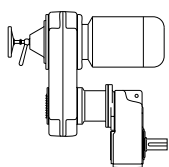


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
25.0	21	3.5	68287	112218	1.6	1.0	185.66	SK 8382 - R300 U/Z - 284 TC	1376	34	6.00
	25	4.2	56206	116820	2.1	1.0	152.83				
	27	4.5	52932	110625	2.1	1.0	143.91				
	31	5.1	46109	100554	2.3	1.1	125.38				
	33	5.4	43569	95005	2.5	1.2	118.47				
	37	6.2	37958	82774	2.8	1.3	103.21				
	42	7.1	33444	72933	3.2	1.5	90.94				
	51	8.5	27833	60702	3.8	1.8	75.69				
	59	9.9	23984	52304	4.2	1.9	65.22				
	67	11.2	21125	46055	5.1	2.3	57.43				
	81	13.4	17576	38329	6.1	2.8	47.80				
	88	14.7	16027	34958	5.9	2.7	43.59				
	26	4.3	55374	66729	1.2	1.0	150.57	SK 7382 - R300 U/Z - 284 TC	1100	34	6.00
	31	5.2	45374	66729	1.5	1.0	123.37				
	36	6.0	39206	66729	1.7	1.0	106.59				
	41	6.9	34267	66729	1.9	1.0	93.18				
	49	8.2	28984	63207	2.3	1.0	78.81				
	57	9.4	25046	54613	2.5	1.2	68.10				
	65	10.8	21895	47737	2.9	1.3	59.52				
	72	12.0	19629	42807	3.2	1.5	53.38				
	83	13.8	17160	37418	3.7	1.7	46.66				
	104	17	13576	29612	4.3	2.0	36.92				
	127	21	11186	24399	5.2	2.4	30.42				
	143	24	9885	21559	5.9	2.7	26.88				
	34	5.6	42215	52038	1.2	1.0	114.79	SK 6382 - R300 U/Z - 284 TC	911	34	6.00
	42	6.9	34064	53100	1.6	1.0	92.63				
	51	8.6	27647	53100	1.9	1.0	75.18				
	52	8.7	27028	49295	1.8	1.0	73.50				
	65	10.8	21939	47843	2.2	1.0	59.66				
	76	12.6	18780	40958	2.4	1.1	51.07				
	91	15.0	15620	34055	2.6	1.2	42.46				
	106	18	13364	29143	3.0	1.4	36.34				
	125	21	11372	24789	3.5	1.6	30.91				
	134	22	10567	23037	3.9	1.8	28.72				
	158	26	8983	19585	4.6	2.1	24.42				
	168	28	8443	18408	4.8	2.2	22.95	SK 6282 - R300 U/Z - 284 TC	946	34	6.00
	206	34	6876	15001	5.7	2.6	18.70				
	260	43	5452	11894	7.3	3.3	14.83				
	75	12.5	18939	22709	1.2	1.0	51.49	SK 5282 - R300 U/Z - 284 TC	732	34	6.00
	92	15.0	15426	25346	1.6	1.0	41.94				
	95	16	15010	18983	1.3	1.0	40.80				
	109	18	13045	21417	1.6	1.0	35.46				
	115	19	12293	18036	1.5	1.0	33.43				
	126	21	11222	22559	2.0	1.0	30.50				
	154	26	9195	20045	2.4	1.1	25.00				
	189	32	7487	16328	3.2	1.5	20.36				
	204	34	6947	15142	2.9	1.3	18.88				
	219	37	6469	14107	3.6	1.7	17.59				
	251	42	5655	12337	3.5	1.6	15.38				
	297	49	4779	10425	4.9	2.2	13.00				
	360	60	3938	8593	4.7	2.2	10.71				
	408	68	3478	7584	5.2	2.4	9.46				
	443	74	3204	6974	5.9	2.7	8.70				
	538	90	2637	5753	7.3	3.3	7.17				
	609	102	2328	5080	8.0	3.7	6.33				
	10.9	1.8	155512	224790	1.4	1.0	352.36	SK 9382 - R300 U/Z - 286 TC	2064	40	6.00
30.0	13.2	2.2	128537	212400	1.7	1.0	291.25				
	19	3.1	90332	164150	2.2	1.2	204.68				
	22	3.7	77261	140388	2.9	1.6	175.05				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

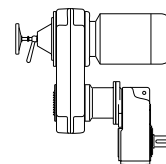


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
30.0	27	4.4	63862	116032	3.3	1.8	144.69	SK 9382 - R300 U/Z - 286 TC	2064	40	6.00
	28	4.7	59976	108988	3.7	2.1	135.90				
	33	5.6	51003	92686	4.4	2.4	115.57				
	38	6.4	44524	80907	5.0	2.8	100.89				
	46	7.7	36719	66711	5.8	3.2	83.19				
	59	9.9	28798	52330	7.5	4.1	65.25				
	16	2.7	106811	115935	1.1	1.0	242.02	SK 8382 - R300 U/Z - 286 TC	1398	40	6.00
	19	3.2	88712	95580	1.1	1.0	201.00				
	21	3.5	81942	112218	1.4	1.0	185.66				
	25	4.2	67446	116820	1.7	1.0	152.83				
	27	4.5	63516	110625	1.7	1.0	143.91				
	31	5.1	55339	100554	1.9	1.1	125.38				
	33	5.4	52286	95005	2.1	1.2	118.47				
	37	6.2	45551	82774	2.4	1.3	103.21				
	42	7.1	40135	72933	2.7	1.5	90.94				
	51	8.5	33409	60702	3.2	1.8	75.69				
	59	9.9	28780	52304	3.5	1.9	65.22				
	67	11.2	25346	46055	4.2	2.3	57.43				
	81	13.4	21098	38329	5.1	2.8	47.80				
	88	14.7	19240	34958	4.9	2.7	43.59				
	31	5.2	54445	66729	1.2	1.0	123.37	SK 7382 - R300 U/Z - 286 TC	1122	40	6.00
	36	6.0	47047	66729	1.4	1.0	106.59				
	41	6.9	41126	66729	1.6	1.0	93.18				
	49	8.2	34781	63207	1.9	1.0	78.81				
	57	9.4	30055	54613	2.1	1.2	68.10				
	65	10.8	26267	47737	2.4	1.3	59.52				
	72	12.0	23559	42807	2.7	1.5	53.38				
	83	13.8	20594	37418	3.0	1.7	46.66				
	104	17	16293	29612	3.6	2.0	36.92				
	127	21	13425	24399	4.4	2.4	30.42				
	143	24	11859	21559	4.9	2.7	26.88				
	42	6.9	40878	53100	1.3	1.0	92.63	SK 6382 - R300 U/Z - 286 TC	933	40	6.00
	51	8.6	33179	53100	1.6	1.0	75.18				
	52	8.7	32435	49295	1.5	1.0	73.50				
	65	10.8	26329	47843	1.8	1.0	59.66				
	76	12.6	22541	40958	2.0	1.1	51.07				
	91	15.0	18735	34055	2.1	1.2	42.46				
	106	18	16036	29143	2.5	1.4	36.34				
	125	21	13638	24789	3.0	1.6	30.91				
	134	22	12673	23037	3.2	1.8	28.72				
	158	26	10779	19585	3.9	2.1	24.42				
	168	28	10124	18408	4.0	2.2	22.95	SK 6282 - R300 U/Z - 286 TC	968	40	6.00
	206	34	8257	15001	4.7	2.6	18.70				
	260	43	6549	11894	6.0	3.3	14.83				
	92	15.0	18514	25346	1.4	1.0	41.94	SK 5282 - R300 U/Z - 286 TC	754	40	6.00
	95	16	18010	18983	1.1	1.0	40.80				
	109	18	15647	21417	1.4	1.0	35.46				
	115	19	14753	18036	1.2	1.0	33.43				
	126	21	13461	22559	1.7	1.0	30.50				
	154	26	11036	20045	2.0	1.1	25.00				
	189	32	8983	16328	2.7	1.5	20.36				
	204	34	8337	15142	2.4	1.3	18.88				
	219	37	7761	14107	3.0	1.7	17.59				
	251	42	6788	12337	2.9	1.6	15.38				
	297	49	5735	10425	4.1	2.2	13.00				
	360	60	4726	8593	4.0	2.2	10.71				
	408	68	4177	7584	4.3	2.4	9.46				
	443	74	3841	6974	4.9	2.7	8.70				
	538	90	3168	5753	6.0	3.3	7.17				
	609	102	2797	5080	6.7	3.7	6.33				

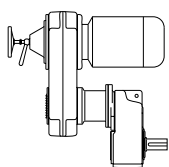


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
40.0	11.0	1.8	206612	224790	1.1	1.0	352.36	SK 9382 - R350 U/Z - 200L/4	2126	45	6.00
	13.3	2.2	170778	212400	1.2	1.0	291.25				
	19	3.2	120015	194700	1.6	1.0	204.68				
	22	3.7	102642	224790	2.2	1.0	175.05				
	27	4.5	84845	208506	2.5	1.0	144.69				
	28	4.7	79685	195842	2.8	1.1	135.90				
	33	5.6	67764	166539	3.3	1.3	115.57				
	38	6.4	59162	145388	3.8	1.5	100.89				
	47	7.8	48781	119882	4.4	1.8	83.19				
	59	9.9	38259	94031	5.6	2.3	65.25				
	70	11.6	32541	79960	6.5	2.7	55.49	SK 8382 - R350 U/Z - 200L/4	1460	45	6.00
	80	13.3	28400	69800	7.5	3.0	48.44				
	25	4.2	89615	116820	1.3	1.0	152.83				
	27	4.5	84385	110625	1.3	1.0	143.91				
	31	5.1	73517	107882	1.5	1.0	125.38				
	33	5.4	69464	110183	1.6	1.0	118.47				
	38	6.3	60516	107085	1.8	1.0	103.21				
	43	7.1	53321	107085	2.0	1.0	90.94				
	51	8.5	44383	107085	2.4	1.0	75.69				
	59	9.9	38241	93987	2.6	1.1	65.22				
	67	11.2	33674	82756	3.2	1.3	57.43	SK 8282 - R350 U/Z - 200L/4	1451	45	6.00
	81	13.5	28028	68880	3.8	1.6	47.80				
	89	14.8	25559	62817	3.7	1.5	43.59				
	108	18	21036	51702	5.1	2.1	35.88				
	125	21	18134	44560	5.9	2.4	30.92				
	137	23	16611	40825	5.3	2.2	28.33	SK 7382 - R350 U/Z - 200L/4	1184	45	6.00
	158	26	14364	35303	6.5	2.7	24.50				
	183	31	12390	30453	7.6	3.1	21.13				
	222	37	10204	25072	8.4	3.4	17.40				
	36	6.1	62499	66729	1.1	1.0	106.59	SK 7282 - R350 U/Z - 200L/4	1169	45	6.00
	42	6.9	54640	66729	1.2	1.0	93.18				
	49	8.2	46215	65667	1.4	1.0	78.81				
	57	9.5	39931	63720	1.6	1.0	68.10				
	65	10.8	34904	62481	1.8	1.0	59.52				
	73	12.1	31302	62658	2.0	1.0	53.38				
	83	13.8	27364	62658	2.3	1.0	46.66				
	105	17	21647	53206	2.7	1.1	36.92				
	127	21	17842	43834	3.3	1.3	30.42				
	144	24	15762	38736	3.7	1.5	26.88				
	171	28	13293	32665	4.4	1.8	22.67				
	194	32	11709	28780	4.4	1.8	19.97	SK 6382 - R350 U/Z - 200L/4	994	45	6.00
	238	40	9549	23479	6.0	2.4	16.29				
	300	50	7558	18576	6.9	2.8	12.89				
	390	65	5814	14293	6.5	2.6	9.92				
	447	74	5080	12479	7.4	3.0	8.66				
	51	8.6	44082	53100	1.2	1.0	75.18	SK 6282 - R350 U/Z - 200L/4	1030	45	6.00
	53	8.8	43100	49295	1.1	1.0	73.50				
	65	10.8	34984	48675	1.4	1.0	59.66				
	76	12.6	29948	44958	1.5	1.0	51.07				
	91	15.0	24895	40268	1.6	1.0	42.46				
	107	18	21311	40268	1.9	1.0	36.34				
	125	21	18125	40268	2.2	1.0	30.91				
	135	22	16842	40710	2.4	1.0	28.72				
	159	26	14319	35188	2.9	1.2	24.42				
	169	28	13461	33072	3.0	1.2	22.95				
	207	35	10965	26948	3.6	1.5	18.70				
	261	44	8700	21373	4.6	1.9	14.83				
	313	52	7239	17797	5.4	2.2	12.35				
	364	61	6239	15337	6.1	2.5	10.64				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

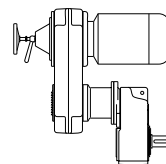


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				I_N [A]	i_{Regel}
40.0	412	69	5505	13532	4.4	1.8	9.39	SK 6282 - R350 U/Z - 200L/4	1030	45	6.00
	495	83	4584	11266	5.2	2.1	7.82				
	574	96	3956	9708	6.7	2.7	6.74				
	127	21	17886	22559	1.3	1.0	30.50	SK 5282 - R350 U/Z - 200L/4	816	45	6.00
	155	26	14656	22311	1.5	1.0	25.00				
	190	32	11939	24276	2.0	1.0	20.36				
	205	34	11071	20222	1.8	1.0	18.88				
	220	37	10310	23488	2.3	1.0	17.59				
	252	42	9018	19780	2.2	1.0	15.38				
	298	50	7620	18735	3.1	1.2	13.00				
	361	60	6284	15434	3.0	1.2	10.71				
	409	68	5549	13629	3.3	1.3	9.46				
	445	74	5098	12540	3.7	1.5	8.70				
	540	90	4204	10328	4.5	1.9	7.17				
	612	102	3708	9124	5.0	2.1	6.33				
50.0	23	4.6	124555	224790	1.8	1.0	135.90	SK 9382 - R375 U/Z - 225S/4	2509	62	5.00
	27	5.4	105926	224790	2.1	1.0	115.57				
	31	6.1	92465	220356	2.4	1.0	100.89				
	37	7.4	76243	181699	2.8	1.2	83.19				
	43	8.6	66163	157672	3.2	1.3	72.19				
	47	9.5	59799	142512	3.6	1.5	65.25				
	56	11.2	50861	121201	4.2	1.8	55.49				
	64	12.8	44392	105802	4.8	2.0	48.44				
	74	14.8	38427	91580	5.5	2.3	41.93				
	87	17	32639	77774	6.5	2.7	35.61				
	90	18	31506	75092	4.6	1.9	34.38	SK 9282 - R375 U/Z - 225S/4	2498	62	5.00
	101	20	28223	67251	5.6	2.4	30.79				
	115	23	24647	58729	6.2	2.6	26.89				
	134	27	21213	50560	6.9	2.9	23.15				
	30	6.0	94598	107085	1.1	1.0	103.21	SK 8382 - R375 U/Z - 225S/4	1843	62	5.00
	34	6.8	83349	107085	1.3	1.0	90.94				
	41	8.2	69375	107085	1.5	1.0	75.69				
	47	9.5	59773	100005	1.7	1.0	65.22				
	54	10.8	52631	107085	2.0	1.0	57.43				
	65	13.0	43808	104403	2.4	1.0	47.80				
	71	14.2	39949	93810	2.3	1.0	43.59				
	86	17	32887	78367	3.3	1.4	35.88				
	100	20	28338	67534	3.8	1.6	30.92				
	109	22	25966	61879	3.4	1.4	28.33	SK 8282 - R375 U/Z - 225S/4	1835	62	5.00
	126	25	22452	53507	4.2	1.8	24.50				
	147	29	19364	46153	4.9	2.0	21.13				
	178	36	15948	38002	5.4	2.3	17.40				
	204	41	13912	33152	6.0	2.5	15.18				
	239	48	11877	28302	7.7	3.2	12.96				
	52	10.4	54551	62481	1.1	1.0	59.52	SK 7382 - R375 U/Z - 225S/4	1568	62	5.00
	58	11.6	48923	62658	1.3	1.0	53.38				
	66	13.3	42763	62658	1.5	1.0	46.66				
	84	17	33834	58587	1.7	1.0	36.92				
	102	20	27878	58587	2.1	1.0	30.42				
	115	23	24638	58587	2.4	1.0	26.88				
	137	27	20780	49516	2.8	1.2	22.67				
	155	31	18302	43613	2.8	1.2	19.97	SK 7282 - R375 U/Z - 225S/4	1552	62	5.00
	190	38	14930	35577	3.8	1.6	16.29				
	240	48	11815	28152	4.4	1.8	12.89				
	277	55	10231	24373	5.4	2.3	11.16				

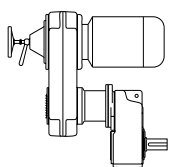


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
50.0	312	62	9089	21665	4.2	1.7	9.92	SK 7282 - R375 U/Z - 225S/4	1552	62	5.00
	327	65	8691	20709	6.4	2.7	9.48				
	357	71	7938	18912	4.7	2.0	8.66				
	413	83	6868	16355	5.8	2.4	7.49				
	487	97	5832	13895	6.8	2.8	6.36				
	518	104	5478	13063	7.0	2.9	5.98				
	104	21	27400	40152	1.5	1.0	29.90	SK 6282 - R375 U/Z - 225S/4	1413	62	5.00
	119	24	23877	40117	1.7	1.0	26.05				
	135	27	21036	40135	1.9	1.0	22.95				
	166	33	17142	39179	2.3	1.0	18.70				
	209	42	13594	32391	2.9	1.2	14.83				
	251	50	11319	26975	3.4	1.4	12.35				
	291	58	9753	23240	3.9	1.6	10.64				
	330	66	8602	20505	2.8	1.2	9.39				
	396	79	7169	17081	3.3	1.4	7.82				
	459	92	6177	14718	4.3	1.8	6.74				
	517	103	5487	13080	3.9	1.6	5.99				
	536	107	5301	12620	3.9	1.6	5.78				
	563	113	5045	12009	4.0	1.7	5.50				
	634	127	4469	10655	4.3	1.8	4.88				
60.0	23	4.6	149468	224790	1.5	1.0	135.90	SK 9382 - R375 U/Z - 225M/4	2582	71	5.00
	27	5.4	127104	224790	1.8	1.0	115.57				
	31	6.1	110961	220356	2.0	1.0	100.89				
	37	7.4	91491	181699	2.3	1.2	83.19				
	43	8.6	79393	157672	2.7	1.3	72.19				
	47	9.5	71765	142512	3.0	1.5	65.25				
	56	11.2	61030	121201	3.5	1.8	55.49				
	64	12.8	53277	105802	4.0	2.0	48.44				
	74	14.8	46117	91580	4.6	2.3	41.93				
	87	17	39161	77774	5.4	2.7	35.61				
	90	18	37816	75092	3.8	1.9	34.38	SK 9282 - R375 U/Z - 225M/4	2571	71	5.00
	101	20	33860	67251	4.7	2.4	30.79				
	115	23	29577	58729	5.1	2.6	26.89				
	134	27	25461	50560	5.7	2.9	23.15				
	34	6.8	100014	107085	1.1	1.0	90.94	SK 8382 - R375 U/Z - 225M/4	1916	71	5.00
	41	8.2	83243	107085	1.3	1.0	75.69				
	47	9.5	71729	100005	1.4	1.0	65.22				
	54	10.8	63162	107085	1.7	1.0	57.43				
	65	13.0	52569	104403	2.0	1.0	47.80				
	71	14.2	47940	93810	2.0	1.0	43.59				
	86	17	39462	78367	2.7	1.4	35.88				
	100	20	34011	67534	3.1	1.6	30.92				
	109	22	31161	61879	2.8	1.4	28.33	SK 8282 - R375 U/Z - 225M/4	1907	71	5.00
	126	25	26948	53507	3.5	1.8	24.50				
	147	29	23240	46153	4.0	2.0	21.13				
	178	36	19134	38002	4.5	2.3	17.40				
	204	41	16691	33152	5.0	2.5	15.18				
	239	48	14257	28302	6.4	3.2	12.96				
	58	11.6	58711	62658	1.1	1.0	53.38	SK 7382 - R375 U/Z - 225M/4	1641	71	5.00
	66	13.3	51321	62658	1.2	1.0	46.66				
	84	17	40604	58587	1.4	1.0	36.92				
	102	20	33453	58587	1.8	1.0	30.42				
	115	23	29559	58587	2.0	1.0	26.88				
	137	27	24930	49516	2.3	1.2	22.67				
	155	31	21966	43613	2.3	1.2	19.97	SK 7282 - R375 U/Z - 225M/4	1625	71	5.00
	190	38	17912	35577	3.2	1.6	16.29				
	240	48	14178	28152	3.7	1.8	12.89				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

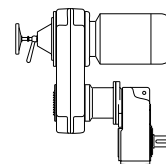


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				I_N [A]	i_{Regel}
60.0	277	55	12275	24373	4.5	2.3	11.16	SK 7282 - R375 U/Z - 225M/4	1625	71	5.00
	312	62	10912	21665	3.5	1.7	9.92				
	327	65	10425	20709	5.3	2.7	9.48				
	357	71	9523	18912	3.9	2.0	8.66				
	413	83	8239	16355	4.8	2.4	7.49				
	487	97	6992	13895	5.6	2.8	6.36				
	518	104	6576	13063	5.8	2.9	5.98				
	104	21	32887	40152	1.2	1.0	29.90	SK 6282 - R375 U/Z - 225M/4	1486	71	5.00
	119	24	28647	40117	1.4	1.0	26.05				
	135	27	25240	40135	1.6	1.0	22.95				
	166	33	20567	39179	1.9	1.0	18.70				
	209	42	16311	32391	2.4	1.2	14.83				
	251	50	13585	26975	2.9	1.4	12.35				
	291	58	11700	23240	3.3	1.6	10.64				
	330	66	10328	20505	2.4	1.2	9.39				
	396	79	8602	17081	2.8	1.4	7.82				
	459	92	7416	14718	3.6	1.8	6.74				
	517	103	6584	13080	3.2	1.6	5.99				
	536	107	6354	12620	3.3	1.6	5.78				
	563	113	6053	12009	3.3	1.7	5.50				
	634	127	5363	10655	3.6	1.8	4.88				
75.0	23	4.6	187054	224790	1.2	1.0	135.90	SK 9382 - R400 U/Z - 250M/4	2988	85	5.00
	27	5.4	159070	224790	1.4	1.0	115.57				
	31	6.1	138865	224790	1.6	1.0	100.89				
	37	7.4	114501	210338	1.9	1.0	83.19				
	43	8.6	99359	182522	2.1	1.2	72.19				
	47	9.5	89810	164982	2.4	1.3	65.25				
	56	11.1	76376	140299	2.8	1.5	55.49				
	64	12.8	66676	122475	3.2	1.7	48.44				
	74	14.7	57711	106014	3.7	2.0	41.93	SK 9282 - R400 U/Z - 250M/4	2977	85	5.00
	87	17	49011	90040	4.3	2.4	35.61				
	90	18	47321	86925	3.0	1.7	34.38				
	100	20	42383	77853	3.7	2.0	30.79				
	115	23	37011	67986	4.1	2.2	26.89				
	134	27	31860	58534	4.6	2.5	23.15	SK 8382 - R400 U/Z - 250M/4	2322	85	5.00
	154	31	27709	50896	5.1	2.8	20.13				
	47	9.5	89766	100005	1.1	1.0	65.22				
	54	10.8	79048	107085	1.4	1.0	57.43				
	65	12.9	65791	107085	1.6	1.0	47.80				
	71	14.2	59994	93810	1.6	1.0	43.59				
	86	17	49383	90721	2.2	1.2	35.88	SK 8282 - R400 U/Z - 250M/4	2313	85	5.00
	100	20	42560	78181	2.5	1.4	30.92				
	109	22	38993	71632	2.3	1.2	28.33				
	126	25	33719	61950	2.8	1.5	24.50				
	146	29	29081	53427	3.2	1.8	21.13				
	178	36	23948	43993	3.6	2.0	17.40				
	204	41	20895	38382	4.0	2.2	15.18				
	239	48	17842	32772	5.1	2.8	12.96				
	320	64	13310	24453	4.3	2.4	9.67	SK 7382 - R400 U/Z - 250M/4	2046	85	5.00
	374	75	11372	20886	5.7	3.1	8.26				
	84	17	50817	58587	1.2	1.0	36.92				
	102	20	41869	58587	1.4	1.0	30.42				
	115	23	37002	58587	1.6	1.0	26.88				
	136	27	31205	57321	1.9	1.0	22.67				

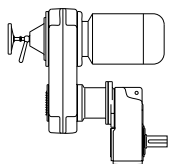


VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				i _N [A]	i _{Regel}
75.0	155	31	27488	50489	1.9	1.0	19.97	SK 7282 - R400 U/Z - 250M/4	2031	85	5.00
	190	38	22426	41188	2.6	1.4	16.29				
	240	48	17744	32595	2.9	1.6	12.89				
	277	55	15364	28214	3.6	2.0	11.16				
	312	62	13656	25081	2.8	1.5	9.92				
	326	65	13045	23966	4.2	2.3	9.48				
	357	71	11921	21895	3.1	1.7	8.66				
	413	83	10310	18939	3.9	2.1	7.49				
	486	97	8753	16080	4.5	2.4	6.36				
	517	103	8231	15116	4.6	2.5	5.98				
	119	24	35851	40117	1.1	1.0	26.05				
	135	27	31586	40135	1.3	1.0	22.95				
	165	33	25736	39179	1.5	1.0	18.70				
	208	42	20408	37497	1.9	1.1	14.83				
	250	50	17001	31223	2.3	1.2	12.35				
	291	58	14647	26904	2.6	1.4	10.64				
	329	66	12921	23745	1.9	1.0	9.39				
	395	79	10762	19771	2.2	1.2	7.82				
	459	92	9275	17045	2.9	1.6	6.74				
	516	103	8248	15142	2.6	1.4	5.99				
	535	107	7956	14611	2.6	1.4	5.78				
	562	112	7567	13903	2.7	1.5	5.50				
	634	127	6717	12337	2.8	1.5	4.88				
100.0	78	19	73057	158681	2.2	1.0	30.79	SK 9282 - R500 U/Z - 280S/4	4046	111	4.00
	89	22	63800	152220	2.4	1.0	26.89				
	103	26	54932	131555	2.6	1.1	23.15				
	119	30	47763	114395	3.0	1.2	20.13				
	138	35	41117	98483	3.3	1.4	17.33				
	163	41	34878	83535	3.7	1.6	14.70				
	199	50	28497	68251	4.3	1.8	12.01				
	235	59	24152	57852	4.0	1.7	10.18				
	277	69	20497	49100	4.8	2.0	8.64				
	339	85	16753	40117	5.3	2.2	7.06				
	74	19	76499	91562	1.2	1.0	32.24				
	113	28	50135	93969	1.9	1.0	21.13				
	137	34	41285	85818	2.1	1.0	17.40				
	158	39	36020	83898	2.3	1.0	15.18				
	185	46	30754	73650	3.0	1.2	12.96				
	220	55	25771	61711	3.5	1.5	10.86				
	247	62	22948	54950	2.5	1.1	9.67				
	290	72	19603	46940	3.3	1.4	8.26				
	346	86	16417	39321	3.7	1.5	6.92				
125.0	78	19	91067	158681	1.7	1.0	30.79	SK 9282 - R500 U/Z - 280M/4	4156	145	4.00
	89	22	79526	152220	1.9	1.0	26.89				
	104	26	68464	131184	2.1	1.1	23.15				
	119	30	59534	114068	2.4	1.2	20.13				
	138	35	51250	98200	2.7	1.4	17.33				
	163	41	43480	83296	3.0	1.6	14.70				
	200	50	35524	68057	3.4	1.8	12.01				
	236	59	30108	57684	3.2	1.7	10.18				
	278	69	25550	48958	3.9	2.0	8.64				
	340	85	20877	40011	4.3	2.2	7.06				
	114	28	62490	93969	1.5	1.0	21.13				
	138	34	51463	85818	1.7	1.0	17.40				
	158	39	44896	83898	1.9	1.0	15.18				
	185	46	38329	73437	2.4	1.2	12.96				
	221	55	32117	61543	2.8	1.5	10.86				
	248	62	28603	54799	2.0	1.1	9.67				



VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS

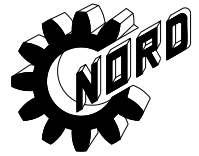


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

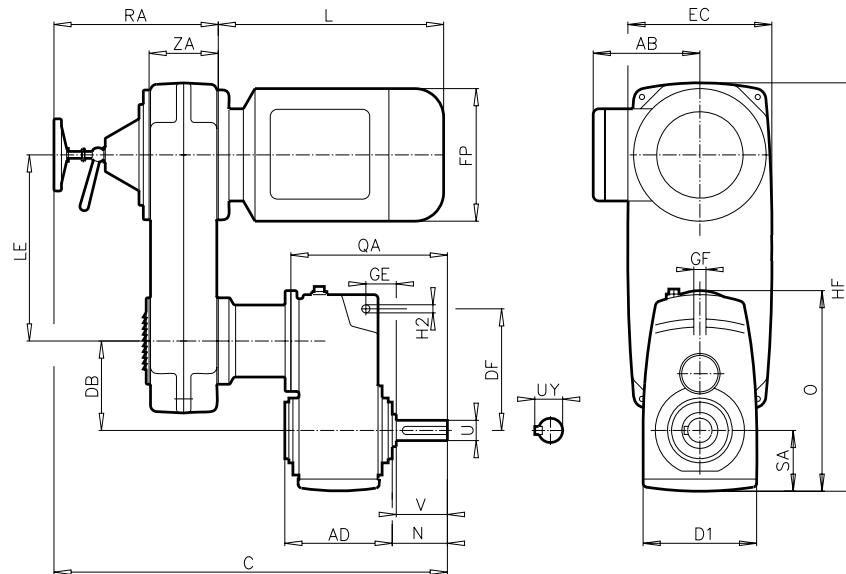
P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
125.0	290	73	24426	46808	2.6	1.4	8.26	SK 8282 - R500 U/Z - 280M/4	3493	145	4.00
	347	87	20470	39214	2.9	1.5	6.92				
150.0	78	19	109271	158681	1.5	1.0	30.79	SK 9282 - R500 U/Z - 315S/4	4531	173	4.00
	89	22	95430	152220	1.6	1.0	26.89				
	104	26	82163	131184	1.8	1.1	23.15				
	119	30	71446	114068	2.0	1.2	20.13				
	138	35	61508	98200	2.2	1.4	17.33				
	163	41	52171	83296	2.5	1.6	14.70				
	200	50	42622	68057	2.9	1.8	12.01				
	236	59	36126	57684	2.6	1.7	10.18				
	278	69	30665	48958	3.2	2.0	8.64				
	340	85	25054	40011	3.6	2.2	7.06				
	114	28	74995	93969	1.3	1.0	21.13	SK 8282 - R500 U/Z - 315S/4	3868	173	4.00
	138	34	61755	85818	1.4	1.0	17.40				
	158	39	53879	83898	1.6	1.0	15.18				
	185	46	45993	73437	2.0	1.2	12.96				
	221	55	38542	61543	2.4	1.5	10.86				
	248	62	34320	54799	1.7	1.1	9.67				
	290	73	29311	46808	2.2	1.4	8.26				
	347	87	24559	39214	2.4	1.5	6.92				

NOTES

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



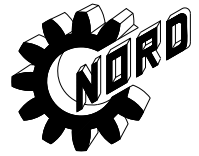
U - DESIGN, WITH SOLID SHAFT, DOUBLE REDUCTION



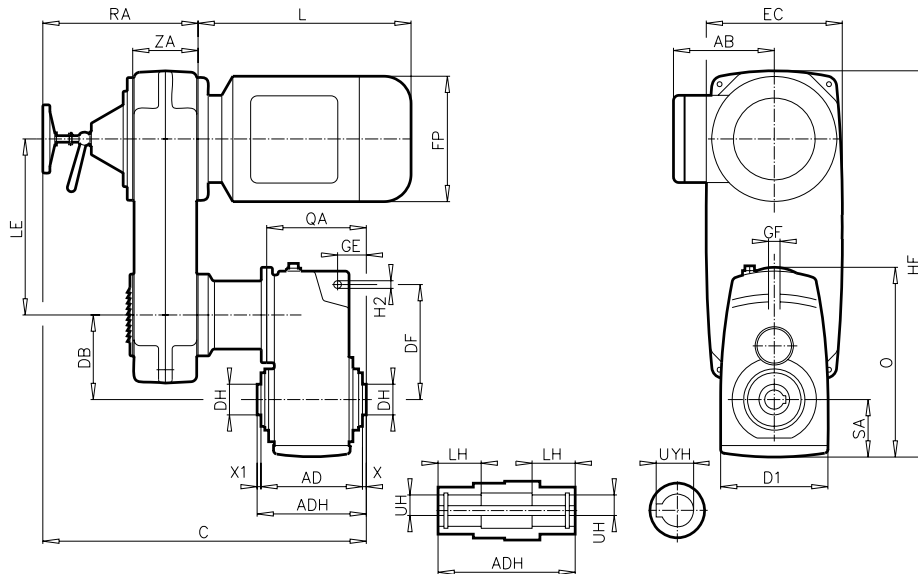
Type	Gear reducer dimensions					Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2 N	O QA SA		C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
SK 1282 V - R 100 U - 56 C - 143 TC - 145 TC - R 150 U - 145 TC	4.53	6.50	0.55	10.98		19.44	5.98	17.36	6.69	9.33	3.46	5.30	7.20	9.30	1.250	1.36	2.75
		6.22	0.43	7.20								5.30	7.20	10.30			
	4.80	1.34	2.90	3.03								5.30	7.20	11.30			1/4x1/4x2-1/4
SK 2282 V - R 150 U - 145 TC - R 196 U - 184 TC	4.96	8.31	0.63	13.27		22.83	8.19	22.01	8.74	10.43	4.17	5.30	7.20	11.30	1.375	1.51	2.75
		7.48	0.55	7.91													
SK 3282 V - R 150 U - 145 TC - R 196 U - 184 TC - R 210 U - 213 TC - 215 TC	5.79	1.50	2.95	3.54		25.00	9.84	24.21	10.16	12.60	5.04	5.90	8.50	14.00			5/16x5/16x2-1/8
	6.38	9.84	0.71	15.24		24.36	8.19	23.90	8.74	10.43	4.17	5.30	7.20	11.30	1.875	2.09	3.50
		8.90	0.55	9.44		26.53	9.84	26.10	10.16	12.60	5.04	5.90	8.50	14.00			1/2x1/2x2-3/4
SK 4282 V - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC	7.01	1.54	3.74	4.21		27.16	10.63	26.65	10.31	13.23	5.51	7.40	10.30	15.60			
												7.40	10.30	16.70			
	7.13	11.06	0.87	17.87		28.92	9.84	27.83	10.16	12.60	5.04	5.90	8.50	12.30	2.250	2.47	4.00
		10.04	0.87	11.44								5.90	8.50	14.00			
SK 5282 V - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	8.11	1.89	4.28	4.84		29.55	10.63	28.39	10.31	13.23	5.51	7.40	10.30	15.60			1/2x1/2x3-1/4
												7.40	10.30	16.70			
						31.95	12.44	31.42	12.36	15.59	6.34	9.70	13.30	18.20			
	8.47	13.42	1.10	20.75		30.47	9.84	30.51	10.16	12.60	5.04	5.90	8.50	12.30	2.500	2.77	5.00
		12.05	0.87	12.99								5.90	8.50	14.00			
	9.88	2.09	5.30	5.75		31.10	10.63	31.06	10.31	13.23	5.51	7.40	10.30	15.60			5/8x5/8x4
												7.40	10.30	16.70			
						33.50	12.44	34.09	12.36	15.59	6.34	9.70	13.30	18.20			
						34.41	14.09	36.30	13.58	16.50	7.01	9.70	13.30	20.00			
						37.44	16.30	40.59	16.81	19.53	8.27	12.70	15.20	20.30			
												12.70	15.20	21.80			
						37.44	16.30	40.59	16.81	19.53	8.27	12.05	15.67	27.09			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



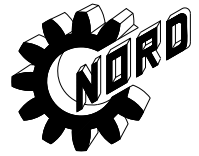
U-DESIGN, WITH HOLLOW SHAFT, DOUBLE REDUCTION



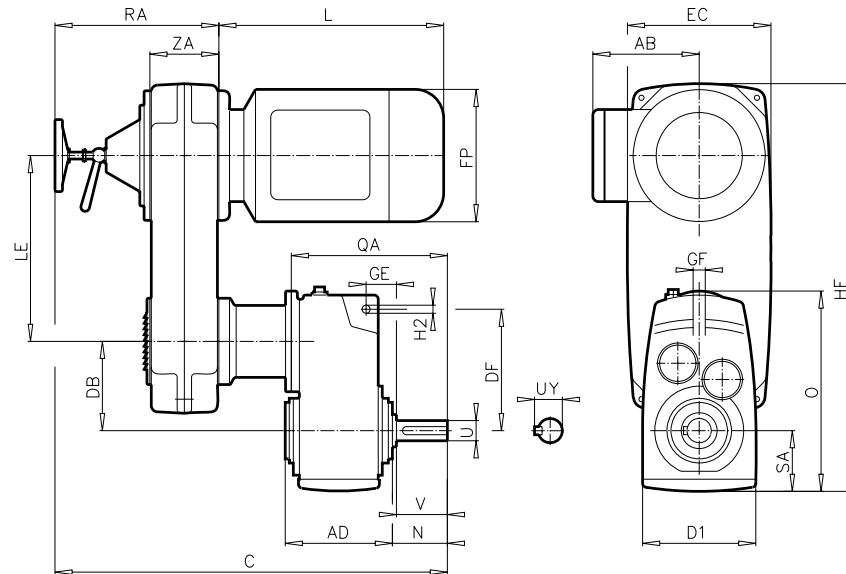
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD	DB DF D1	GE GF H2	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 1282 A - R 100 U - 56 C - 143 TC - 145 TC - R 150 U - 145 TC	4.53	4.80	1.34	10.98	16.69	5.98	17.36	6.69	9.33	3.46	5.30	7.20	9.30	4.80	1.57	0.12
		6.50	0.55	4.45							5.30	7.20	10.30	1.77	1.188	0.16
		6.22	0.43	3.03							5.30	7.20	11.30	1.31		
SK 2282 A - R 150 U - 145 TC - R 196 U - 184 TC - R 3282 A - R 150 U - 145 TC - R 196 U - 184 TC - R 210 U - 213 TC - 215 TC	4.96	5.79	1.50	13.27	20.08	8.19	22.01	8.74	10.43	4.17	5.30	7.20	11.30	5.47	1.97	0.31
		8.31	0.63	5.16							5.30	7.20	11.30	1.97	1.438	0.20
		7.48	0.55	3.54							5.90	8.50	14.00	1.61		
SK 4282 A - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC	7.13	8.11	1.89	17.87	24.92	9.84	27.83	10.16	12.60	5.04	5.90	8.50	12.30	7.68	2.56	0.28
		11.06	0.87	7.44							5.90	8.50	14.00	2.76	2.062	0.28
		10.04	0.87	4.84							7.40	10.30	15.60	2.23		
SK 5282 A - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	8.47	9.88	2.09	20.75	25.47	9.84	30.51	10.16	12.60	5.04	5.90	8.50	12.30	9.06	2.95	0.30
		13.42	1.10	7.99							5.90	8.50	14.00	3.35	2.438	0.30
		12.05	0.87	5.75							7.40	10.30	15.60	2.71		
											7.40	10.30	16.70			
											9.70	13.30	18.20			
											9.70	13.30	20.00			
											12.70	15.20	20.30			
											12.70	15.20	21.80			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



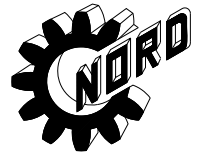
U - DESIGN, WITH SOLID SHAFT, DOUBLE AND TRIPLE REDUCTION



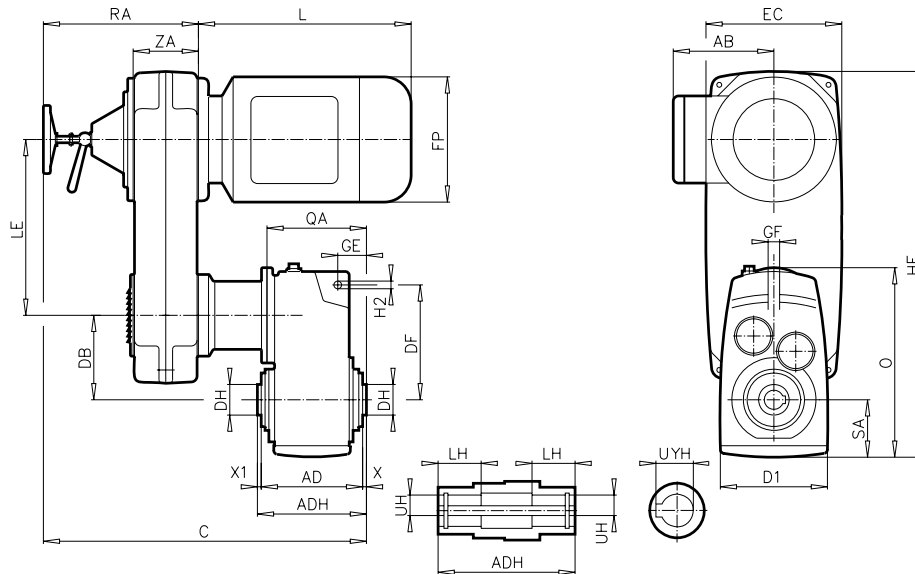
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions			
	AD	DF	GF	O	C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V	
	DB	D1 GE	H2 N	QA SA													
SK 6382 V	- R 196 U - 182 TC - 184 TC	10.75	14.06 13.78	1.38 1.02	22.79 15.78	33.26	9.84	32.71	10.16	12.60	5.04	5.90 5.90	8.50 8.50	12.30 14.00	3.000	3.33	5.50
	- R 210 U - 213 TC - 215 TC	11.06	2.78	5.83	6.77	33.89	10.63	33.26	10.31	13.23	5.51	7.40 7.40	10.30 10.30	15.60 16.70	3/4 x 3/4 x 4-1/2		
	- R 250 U - 254 TC					36.29	12.44	36.29	12.36	15.59	6.34	9.70	13.30	18.20			
	- R 280 U - 256 TC					37.20	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00			
	- R 300 U - 284 TC - 286 TC					40.23	16.30	42.79	16.81	19.53	8.27	12.70 12.70	15.20 15.20	20.30 21.80			
	- R 350 U - 200 L					40.23	16.30	42.79	16.81	19.53	8.27	12.05	15.67	27.09			
SK 6282 V	- R 280 U - 256 TC	10.75	14.06	1.38	22.79	39.99	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00	3.000	3.33	5.50
	- R 300 U - 284 TC - 286 TC	11.06	13.78 2.78	1.02 5.83	16.80 6.77	43.02	16.30	42.79	16.81	19.53	8.27	12.70 12.70	15.20 15.20	20.30 21.80	3/4 x 3/4 x 4-1/2		
	- R 350 U - 200 L					43.02	16.30	42.79	16.81	19.53	8.27	12.05	15.67	27.09			
	- R 375 U - 225 S - 225 M					49.16	19.69	48.38	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09			
	- R 400 U - 250 M					49.16	19.69	48.38	20.71	22.44	9.45	16.93	20.47	31.10			
SK 7382 V	- R 196 U - 184 TC	11.73	15.71	1.38	25.12	36.24	9.84	35.08	10.16	12.60	5.04	5.90	8.50	14.00	3.500	3.88	6.75
	- R 210 U - 213 TC - 215 TC	12.44	16.14 2.76	1.02 6.99	18.76 7.76	36.87	10.63	35.63	10.31	13.23	5.51	7.40 7.40	10.30 10.30	15.60 16.70	7/8 x 7/8 x 5-1/2		
	- R 250 U - 254 TC					41.04	12.44	38.66	12.36	15.59	6.34	9.70	13.30	18.20			
	- R 280 U - 256 TC					41.95	14.09	40.87	13.58	16.50	7.01	9.70	13.30	20.00			
	- R 300 U - 284 TC - 286 TC					44.98	16.30	45.16	16.81	19.53	8.27	12.70 12.70	15.20 15.20	20.30 21.80			
	- R 350 U - 200 L					44.98	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09			
	- R 375 U - 225 S - 225 M					51.12	19.69	50.75	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09			
	- R 400 U - 250 M					51.12	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10			
	SK 7282 V	- R 350 U - 200 L	11.73	15.71	1.38	25.44	44.70	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09	3.500	3.88
- R 375 U - 225 S - 225 M		12.44	16.14 2.76	1.02 6.99	18.48 7.76	50.84	19.69	50.75	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09	7/8 x 7/8 x 5-1/2		
- R 400 U - 250 M						50.84	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



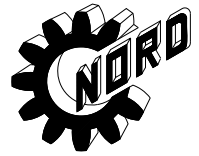
U - DESIGN, WITH HOLLOW SHAFT, DOUBLE AND TRIPLE REDUCTION



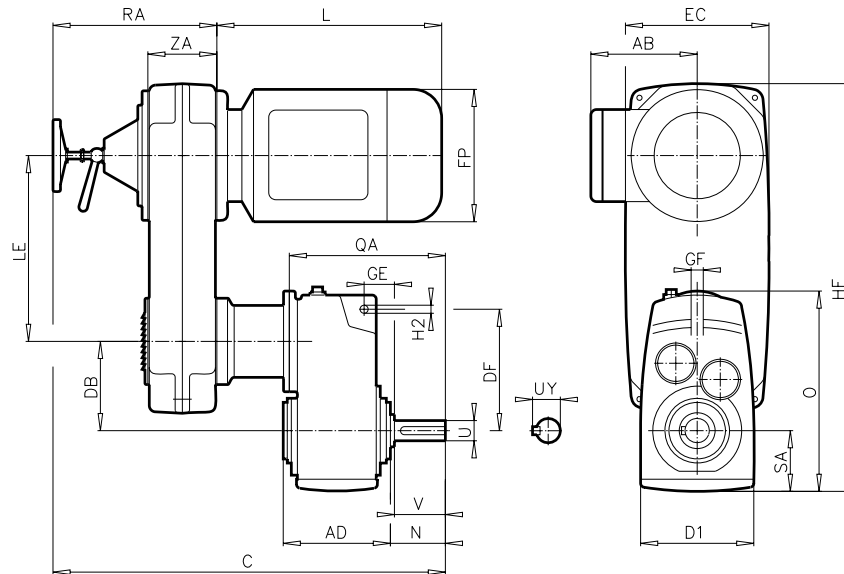
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 6382 A - R 196 U - 182 TC - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L	10.75	11.06	2.78	22.79	27.76	9.84	32.71	10.16	12.60	5.04	5.90	8.50	12.30	11.42	3.54	0.33
		14.06	1.38	10.28							5.90	8.50	14.00	3.94	2.750	0.33
		13.78	1.02	6.77	28.39	10.63	33.26	10.31	13.23	5.51	7.40	10.30	15.60		3.03	
											7.40	10.30	16.70			
					30.79	12.44	36.29	12.36	15.59	6.34	9.70	13.30	18.20	5/8 x 5/8 x 8		
					31.70	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00			
SK 6282 A - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	10.75	11.06	2.78	22.79	34.49	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00	11.42	3.54	0.33
		14.06	1.38	11.30	37.52	16.30	42.79	16.81	19.53	8.27	12.70	15.20	20.30	3.94	2.750	0.33
		13.78	1.02	6.77							12.70	15.20	21.80		3.03	
					37.52	16.30	42.79	16.81	19.53	8.27	12.05	15.67	27.09	5/8 x 5/8 x 8		
					43.66	19.69	48.38	20.71	22.44	9.45	12.05	15.67	27.09			
					43.66	19.69	48.38	20.71	22.44	9.45	16.93	20.47	31.10			
SK 7382 A - R 196 U - 184 TC - R 210 U - 213 TC - 215 TC - R 250 U - 254 TC - R 280 U - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	11.73	12.44	2.76	25.12	29.49	9.84	35.08	10.16	12.60	5.04	5.90	8.50	14.00	12.20	3.94	0.24
		15.71	1.38	12.01	30.12	10.63	35.63	10.31	13.23	5.51	7.40	10.30	15.60	4.33	3.188	0.24
		16.14	1.02	7.76							7.40	10.30	16.70		3.40	
					34.29	12.44	38.66	12.36	15.59	6.34	9.70	13.30	18.20	3/4 x 1/2 x 9-1/2		
					35.20	14.09	40.87	13.58	16.50	7.01	9.70	13.30	20.00			
					38.23	16.30	45.16	16.81	19.53	8.27	12.70	15.20	20.30			
											12.70	15.20	21.80			
					38.23	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09			
SK 7282 A - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	11.73	12.44	2.76	25.44	37.95	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09	12.20	3.94	0.24
		15.71	1.38	11.73	44.09	19.69	50.75	20.71	22.44	9.45	12.05	15.67	27.09	4.33	3.188	0.24
		16.14	1.02	7.76							12.05	15.67	27.09		3.40	
					44.09	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10	3/4 x 1/2 x 9-1/2		

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VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



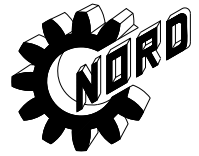
U - DESIGN, WITH SOLID SHAFT, DOUBLE AND TRIPLE REDUCTION



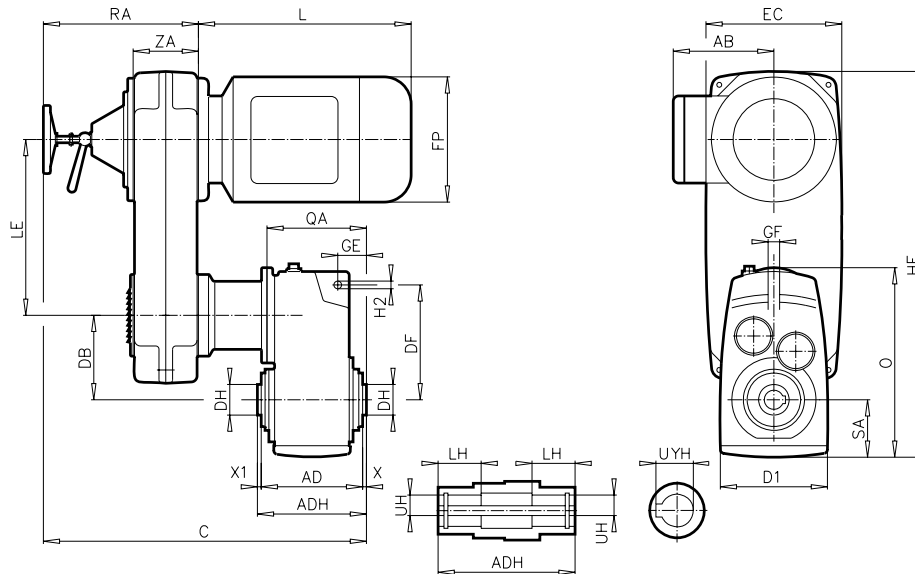
Type	Gear reducer dimensions					Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2 N	O QA SA		C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
SK 8382 V - R 210 U - 213 TC - 215 TC - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	13.86	18.31 18.50	1.97 1.22	28.74 22.08		40.19	10.63	37.87	10.31	13.23	5.51	7.40 7.40	10.30 10.30	15.60 16.70	4.250	4.69	8.50
	14.17	3.27	8.78	8.66		45.27	14.09	43.50	13.58	16.50	7.01	9.70 9.70	13.30 13.30	18.20 20.00	1 x 1 x 7-1/4		
						48.30	16.30	47.79	16.81	19.53	8.27	12.70 12.70	15.20 15.20	20.30 21.80			
						48.30	16.30	47.79	16.81	19.53	8.27	12.05	15.67	27.09			
						54.44	19.69	53.38	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09			
						54.44	19.69	53.38	20.71	22.44	9.45	19.63	20.47	31.10			
SK 8282 V - R 350 U - 200 L	13.86	18.31 18.50	1.97 1.22	28.74 22.08		50.90	16.30	47.79	16.81	19.53	8.27	12.05	15.67	27.09	4.250	4.69	8.50
	14.17	3.27	8.78	8.66											1 x 1 x 7-1/4		
SK 8282 V - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	13.86	18.31 18.50	1.97 1.22	28.74 22.71		54.44	19.69	53.38	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09	4.250	4.69	8.50
	14.17	3.27	8.78	8.66		54.44	19.69	53.38	20.71	22.44	9.45	19.63	20.47	31.10	1 x 1 x 7-1/4		
						57.59	19.69	71.22	35.20	25.24	11.81	17.91 17.91	22.64 22.64	34.06 34.06			
												20.28	25.39	38.19			
SK 9382 V - R 300 U - 256 TC - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	16.14	22.99 24.02	2.17 1.22	36.97 24.72		50.94	16.30	54.84	16.81	19.53	8.27	9.70 12.70 12.70	13.30 15.20 15.20	20.00 20.30 21.80	5.250	5.80	9.84
	18,27	3,70	10,23	11,61											1-1/4 x 1-1/4 x 8-3/8		
						50.94	16.30	54.84	16.81	19.53	8.27	12.05	15.67	27.09			
						57.08	19.69	60.43	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09			
						57.08	19.69	60.43	20.71	22.44	9.45	19.63	20.47	31.10			
SK 9282 V - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	16.14	22.99 24.02	2.17 1.22	36.97 24.72		57.04	19.69	60.43	20.71	22.44	9.45	12.05 12.05	15.67 15.67	27.09 27.09	5.250	5.80	9.84
	18.27	3.70	10.23	11.61		57.04	19.69	60.43	20.71	22.44	9.45	16.93	20.47	31.10	1-1/4 x 1-1/4 x 8-3/8		
						60.19	19.69	78.27	35.20	25.24	11.81	17.91 17.91	22.64 22.64	34.06 34.06			
												20.28	25.39	38.19			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



U-DESIGN, WITH HOLLOW SHAFT, DOUBLE AND TRIPLE REDUCTION



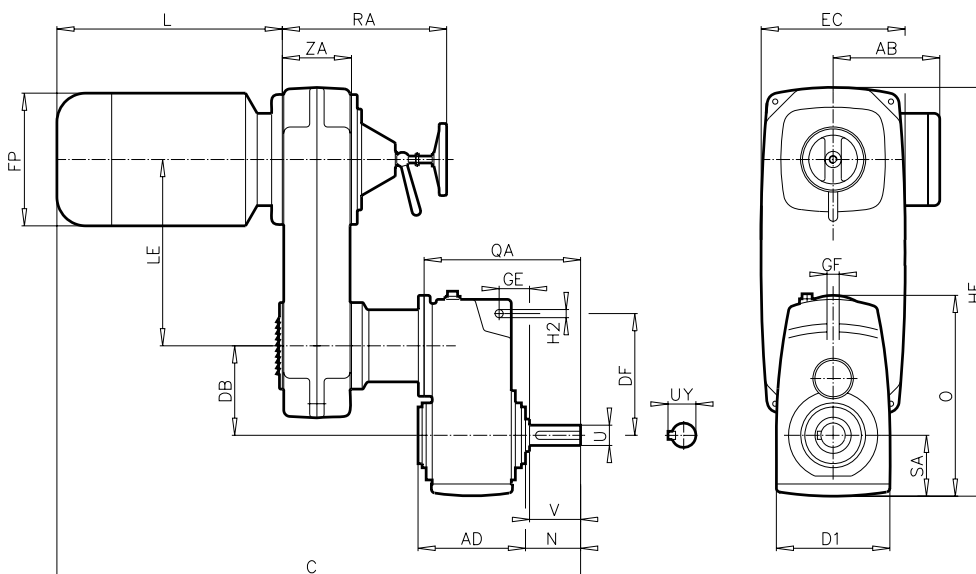
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD	DB DF D1	GE GF H2	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 8382 A - R 210 U - 213 TC - 215 TC - R 280 U - 254 TC - 256 TC - R 300 U - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	13.86	14.17	3.27	28.74	31.69	10.63	37.87	10.31	13.23	5.51	7.40	10.30	15.60	14.41	4.65	0.28
		18.31	1.97	13.58							7.40	10.30	16.70	5.12	4.062	0.28
		18.50	1.22	8.66	36.77	14.09	43.50	13.58	16.50	7.01	9.70	13.30	18.20		4.25	
											9.70	13.0	20.00			
					39.80	16.30	47.79	16.81	19.53	8.27	12.70	15.20	20.30	1 x 1/2 x 12		
											12.70	15.20	21.80			
					39.80	16.30	47.79	16.81	19.53	8.27	12.05	15.67	27.09			
			45.94	19.69	53.38	20.71	22.44	9.45	12.05	15.67	27.09					
			45.94	19.69	53.38	20.71	22.44	9.45	19.63	20.47	31.10					
SK 8282 A - R 350 U - 200 L	13.86	14.17 18.31 18.50	3.27 1.97 1.22	28.74 13.58 8.66	42.40	16.30	47.79	16.81	19.53	8.27	12.05	15.67	27.09	14.41 5.12	4.65 4.062 4.25	0.28 0.28
1 x 1/2 x 12																
SK 8282 A - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	13.86	14.17	3.27	28.74	45.94	19.69	53.38	20.71	22.44	9.45	12.05	15.67	27.09	14.41	4.65	0.28
		18.31	1.97	14.21							12.05	15.67	27.09	5.12	4.062	0.28
		18.50	1.22	8.66	45.94	19.69	53.38	20.71	22.44	9.45	19.63	20.47	31.10		4.25	
					49.09	19.69	71.22	35.20	25.24	11.81	17.91	22.64	34.06	1 x 1/2 x 12		
											17.91	22.64	34.06			
										20.28	25.39	38.19				
SK 9382 A - R 300 U - 256 TC - 284 TC - 286 TC - R 350 U - 200 L - R 375 U - 225 S - 225 M - R 400 U - 250 M	16.14	18.27	3.70	36.97	41.10	16.30	54.84	16.81	19.53	8.27	9.70	13.30	20.00	16.93	6.50	0.39
		22.99	2.17	14.88							12.70	15.20	20.30	6.30	4.750	0.39
		24.02	1.22	11.61							12.70	15.20	21.80		5.11	
					41.10	16.30	54.84	16.81	19.53	8.27	12.05	15.67	27.09	1-1/4 x 7/8 x 14		
					47.24	19.69	60.43	20.71	22.44	9.45	12.05	15.67	27.09			
			47.24	19.69	60.43	20.71	22.44	9.45	19.63	20.47	31.10					
SK 9282 A - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	16.14	18.27	3.70	36.97	47.20	19.69	60.43	20.71	22.44	9.45	12.05	15.67	27.09	16.93	6.50	0.39
		22.99	2.17	15.47							12.05	15.67	27.09	6.30	4.750	0.39
		24.02	1.22	11.61	47.20	19.69	60.43	20.71	22.44	9.45	16.93	20.47	31.10		5.11	
					50.35	19.69	78.27	35.20	25.24	11.81	17.91	22.64	34.06	1-1/4 x 7/8 x 14		
									17.91	22.64	34.06					
										20.28	25.39	38.19				

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



Z-DESIGN, WITH SOLID SHAFT, DOUBLE REDUCTION



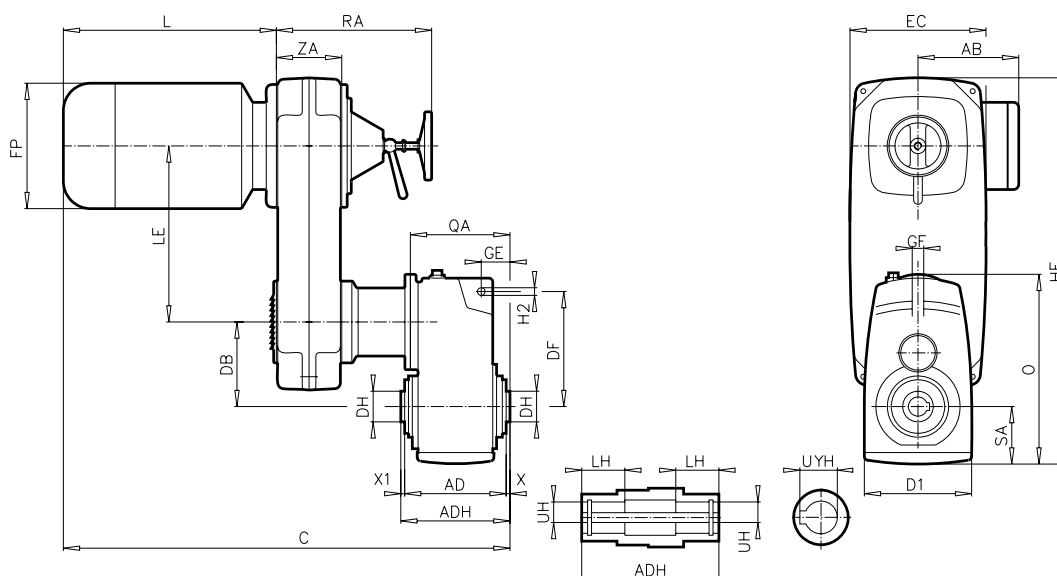
Type	Gear reducer dimensions					Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2 N	O QA SA		C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
SK 1282 V - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC	4.53	6.50	0.55	10.98		22.88	5.98	17.36	6.69	9.33	3.46	5.30	7.20	9.30	1.250	1.36	2.75
		6.22	0.43	7.20		23.88						5.30	7.20	10.30			
	4.80	1.34	2.90	3.03		24.88						5.30	7.20	11.30			1/4x1/4x2-1/4
						27.40	8.19	20.51	8.74	10.43	4.17	5.30	7.20	11.30			
SK 2282 V - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC - R 196 Z - 184 TC	4.96	8.31	0.63	13.27		23.59	5.98	18.86	6.69	9.33	3.46	5.30	7.20	9.30	1.375	1.51	2.75
		7.48	0.55	7.91		24.59						5.30	7.20	10.30			
	5.79	1.50	2.95	3.54		25.59						5.30	7.20	11.30			5/16x5/16x2-1/8
						27.87	8.19	22.01	8.74	10.43	4.17	5.30	7.20	11.30			
SK 3282 V - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC	6.38	9.84	9.84	15.24		26.69	5.98	20.75	6.69	9.33	3.46	5.30	7.20	9.30	1.875	2.09	3.50
		8.90	8.90	9.44		27.69						5.30	7.20	10.30			
						28.69						5.30	7.20	11.30			1/2x1/2x2-3/4
	7.01	1.54	3.74	4.21		29.40	8.19	23.90	8.74	10.43	4.17	5.30	7.20	11.30			
SK 4282 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC						32.97	9.84	26.10	10.16	12.60	5.04	5.90	8.50	14.00			
						35.04	10.63	26.65	10.31	13.23	5.51	7.40	10.30	15.60			
						36.14						7.40	10.30	16.70			
						31.80	8.19	25.63	8.74	10.43	4.17	5.30	7.20	11.30	2.250	2.47	4.00
SK 5282 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	7.13	11.06	0.87	17.87		33.66	9.84	27.83	10.16	12.60	5.04	5.90	8.50	12.30			1/2x1/2x3-1/4
		10.04	0.87	11.44		35.36						5.90	8.50	14.00			
	8.11	1.89	4.28	4.84		37.43	10.63	28.39	10.31	13.23	5.51	7.40	10.30	15.60			
						38.53						7.40	10.30	16.70			
SK 5282 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L						40.90	12.44	31.42	12.36	15.59	6.34	9.70	13.30	18.20			
						33.35	8.19	28.31	8.74	10.43	4.17	5.30	7.20	11.30	2.500	2.77	5.00
	8.47	13.42	1.10	20.75		35.21	9.84	30.51	10.16	12.60	5.04	5.90	8.50	12.30			5/8x5/8x4
		12.05	0.87	12.99		36.91						5.90	8.50	14.00			
SK 5282 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	9.88	2.09	5.30	5.75		38.98	10.63	31.06	10.31	13.23	5.51	7.40	10.30	15.60			
						40.08						7.40	10.30	16.70			
						42.45	12.44	34.09	12.36	15.59	6.34	9.70	13.30	18.20			
						44.92	14.09	36.30	13.58	16.50	7.01	9.70	13.30	20.00			
SK 5282 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L						46.48	16.30	40.59	16.81	19.53	8.27	12.70	15.20	20.30			
						47.98						12.70	15.20	21.80			
						53.27	16.30	40.59	16.81	19.53	8.27	12.05	15.67	27.09			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



Z-DESIGN, WITH HOLLOW SHAFT, DOUBLE REDUCTION



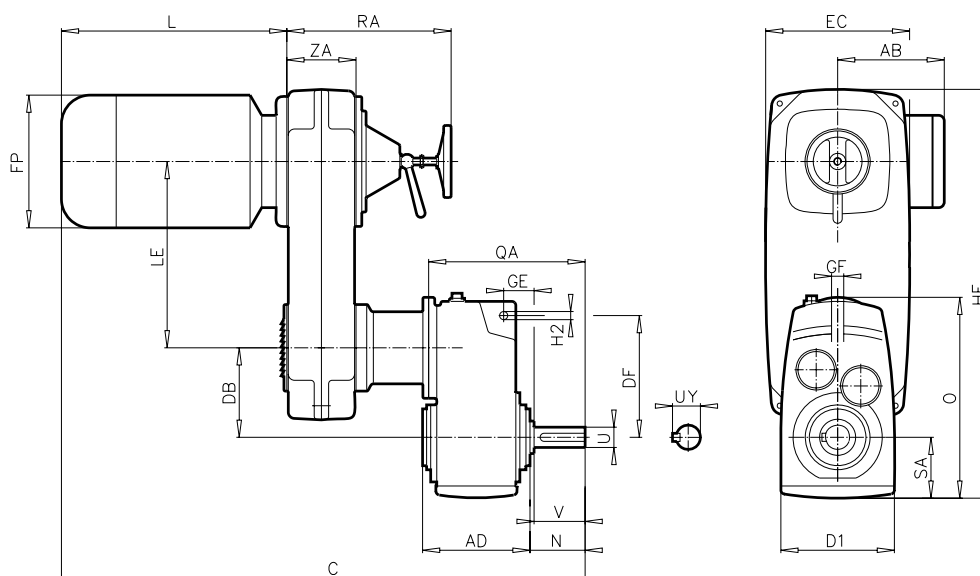
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD	DB DF D1	GE GF H2	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 1282 A - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC	4.53	4.80	1.34	10.98	20.13	5.98	17.36	6.69	9.33	3.46	5.30	7.20	9.30	4.80	1.57	0.12
		6.50	0.55	4.45	21.13						5.30	7.20	10.30	1.77	1.188	0.16
		6.22	0.43	3.03	22.13						5.30	7.20	11.30		1.31	
					24.65	8.19	20.51	8.74	10.43	4.17	5.30	7.20	11.30		1/4x1/4x3-1/4	
SK 2282 A - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC - R 196 Z - 184 TC	4.96	5.79	1.50	13.27	20.84	5.98	18.86	6.69	9.33	3.46	5.30	7.20	9.30	5.47	1.97	0.31
		8.31	0.63	5.16	21.84						5.30	7.20	10.30	1.97	1.438	0.20
		7.48	0.55	3.54	22.84						5.30	7.20	11.30		1.61	
					25.12	8.19	22.01	8.74	10.43	4.17	5.30	7.20	11.30			
SK 3282 A - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC	6.38	7.01	1.54	15.24	23.19	5.98	20.75	6.69	9.33	3.46	5.30	7.20	9.30	6.85	2.28	0.24
		9.84	0.71	5.94	24.19						5.30	7.20	10.30	2.17	1.625	0.24
		8.90	0.55	4.21	25.19						5.30	7.20	11.30		1.73	
					25.90	8.19	23.90	8.74	10.43	4.17	5.30	7.20	11.30			
					29.47	9.84	26.10	10.16	12.60	5.04	5.90	8.50	14.00		3/8x1/4x4	
					31.54	10.63	26.65	10.31	13.23	5.51	7.40	10.30	15.60			
SK 4282 A - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC	7.13	8.11	1.89	17.87	27.80	8.19	25.63	8.74	10.43	4.17	5.30	7.20	11.30	7.68	2.56	0.28
		11.06	0.87	7.44	29.66	9.84	27.83	10.16	12.60	5.04	5.90	8.50	12.30	2.76	2.062	0.28
		10.04	0.87	4.84	31.36						5.90	8.50	14.00		2.23	
					33.43	10.63	28.39	10.31	13.23	5.51	7.40	10.30	15.60			
					34.53						7.40	10.30	16.70		1/2x3/8x5-1/4	
SK 5282 A - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	8.47	9.88	2.09	20.75	28.35	8.19	28.31	8.74	10.43	4.17	5.30	7.20	11.30	9.06	2.95	0.30
		13.42	1.10	7.99	30.21	9.84	30.51	10.16	12.60	5.04	5.90	8.50	12.30	3.35	2.438	0.30
		12.05	0.87	5.75	31.91						5.90	8.50	14.00		2.71	
					33.98	10.63	31.06	10.31	13.23	5.51	7.40	10.30	15.60			
					35.08						7.40	10.30	16.70		5/8x5/8x7	
					37.45	12.44	34.09	12.36	15.59	6.34	9.70	13.30	18.20			
					39.92	14.09	36.30	13.58	16.50	7.01	9.70	13.30	20.00			
					41.48	16.30	40.59	16.81	19.53	8.27	12.70	15.20	20.30			
			42.98						12.70	15.20	21.80					
			48.27	16.30	40.59	16.81	19.53	8.27	12.05	15.67	27.09					

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



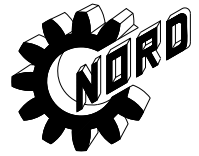
Z-DESIGN, WITH SOLID SHAFT, DOUBLE AND TRIPLE REDUCTION



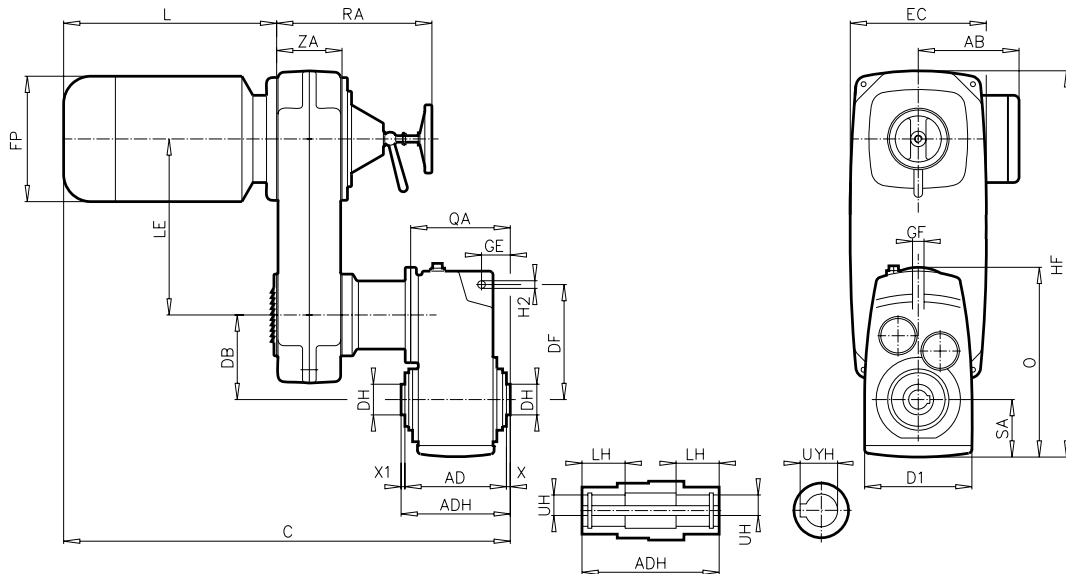
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2 N	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY	V
SK 6382 V - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	10.75	14.06	1.38	22.79	36.14	8.19	30.51	8.74	10.43	4.17	5.30	7.20	11.30	3.000	3.33	5.50
		13.78	1.02	15.78	38.00	9.84	32.71	10.16	12.60	5.04	5.90	8.50	12.30	3/4 x 3/4 x 4-1/2		
	11.06	2.78	5.83	6.77	39.70						5.90	8.50	14.00			
					41.77	10.63	33.26	10.31	13.23	5.51	7.40	10.30	15.60			
					42.87						7.40	10.30	16.70			
					45.24	12.44	36.29	12.36	15.59	6.34	9.70	13.30	18.20			
					47.71	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00			
					49.27	16.30	42.79	16.81	19.53	8.27	12.70	15.20	20.30			
					50.77						12.70	15.20	21.80			
SK 6282 V - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	10.75	14.06	1.38	22.79	50.50	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00	3.000	3.33	5.50
		13.78	1.02	16.80	52.06	16.30	42.79	16.81	19.53	8.27	12.70	15.20	20.30	3/4 x 3/4 x 4-1/2		
	11.06	2.78	5.83	6.77	53.56						12.70	15.20	21.80			
					58.85	16.30	42.79	16.81	19.53	8.27	12.05	15.67	27.09			
					63.26	19.69	48.38	20.71	22.44	9.45	12.05	15.67	27.09			
					63.26						12.05	15.67	27.09			
SK 7382 V - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.73	15.71	1.38	25.12	42.68	9.84	35.08	10.16	12.60	5.04	5.90	8.50	14.00	3.500	3.88	6.75
		16.14	1.02	18.76	44.75	10.63	35.63	10.31	13.23	5.51	7.40	10.30	15.60	7/8 x 7/8 x 5-1/2		
	12.44	2.76	6.99	7.76	45.85						7.40	10.30	16.70			
					49.99	12.44	38.66	12.36	15.59	6.34	9.70	13.30	18.20			
					52.46	14.09	40.87	13.58	16.50	7.01	9.70	13.30	20.00			
					54.02	16.30	45.16	16.81	19.53	8.27	12.70	15.20	20.30			
					55.52						12.70	15.20	21.80			
					60.81	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09			
					65.22	19.69	50.75	20.71	22.44	9.45	12.05	15.67	27.09			
					65.22						12.05	15.67	27.09			
					69.23	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10			
SK 7282 V - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.73	15.71	1.38	25.44	60.53	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09	3.500	3.88	6.75
		16.14	1.02	18.48	64.94	19.69	50.75	20.71	22.44	9.45	12.05	15.67	27.09	7/8 x 7/8 x 5-1/2		
	12.44	2.76	6.99	7.76	64.94						12.05	15.67	27.09			
					68.95	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



Z-DESIGN, WITH HOLLOW SHAFT, DOUBLE AND TRIPLE REDUCTION



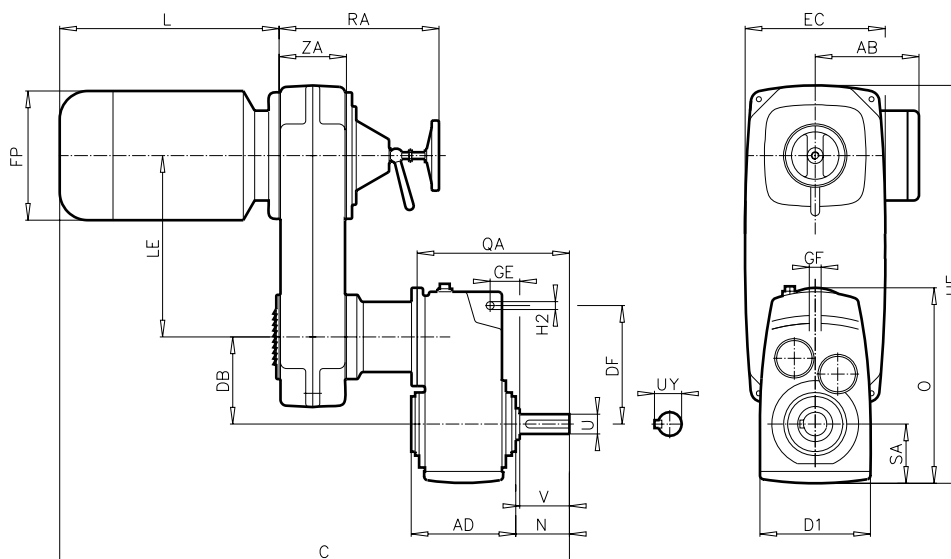
Type	Gear reducer dimensions					Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2	O QA SA		C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 6382 A - R 150 Z - 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L	10.75	11.06 14.06 13.78	2.78 1.38 1.02	22.79 10.28 6.77		30.64	8.19	30.51	8.74	10.43	4.17	5.30	7.20	11.30	11.42	3.54	0.33
						32.50	9.84	32.71	10.16	12.60	5.04	5.90	8.50	12.30	3.94	2.750	0.33
						34.20						5.90	8.50	14.00		3.03	
						36.27	10.63	33.26	10.31	13.23	5.51	7.40	10.30	15.60	5/8 x 5/8 x 8		
						37.37						7.40	10.30	16.70			
						39.74	12.44	36.29	12.36	15.59	6.34	9.70	13.30	18.20			
						42.21	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00			
						43.77	16.30	42.79	16.81	19.53	8.27	12.70	15.20	20.30			
SK 6282 A - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	10.75	11.06 14.06 13.78	2.78 1.38 1.02	22.79 11.30 6.77		45.00	14.09	38.50	13.58	16.50	7.01	9.70	13.30	20.00	11.42	3.54	0.33
						46.56	16.30	42.79	16.81	19.53	8.27	12.70	15.20	20.30	3.94	2.750	0.33
						48.06						12.70	15.20	21.80		3.03	
						53.35	16.30	42.79	16.81	19.53	8.27	12.05	15.67	27.09	5/8 x 5/8 x 8		
						57.76	19.69	48.38	20.71	22.44	9.45	12.05	15.67	27.09			
						57.76						12.05	15.67	27.09			
SK 7382 A - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.73	12.44 15.71 16.14	2.76 1.38 1.02	25.12 12.01 7.76		35.93	9.84	35.08	10.16	12.60	5.04	5.90	8.50	14.00	12.20	3.94	0.24
						38.00	10.63	35.63	10.31	13.23	5.51	7.40	10.30	15.60	4.33	3.188	0.24
						39.10						7.40	10.30	16.70		3.40	
						43.24	12.44	38.66	12.36	15.59	6.34	9.70	13.30	18.20	3/4 x 1/2 x 9-1/2		
						45.71	14.09	40.87	13.58	16.50	7.01	9.70	13.30	20.00			
						47.27	16.30	45.16	16.81	19.53	8.27	12.70	15.20	20.30			
						48.77						12.70	15.20	21.80			
						54.06	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09			
SK 7282 A - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	11.73	12.44 15.71 16.14	2.76 1.38 1.02	25.44 11.73 7.76		53.78	16.30	45.16	16.81	19.53	8.27	12.05	15.67	27.09	12.20	3.94	0.24
						58.19	19.69	50.75	20.71	22.44	9.45	12.05	15.67	27.09	4.33	3.188	0.24
						58.19						12.05	15.67	27.09		3.40	
						62.20	19.69	50.75	20.71	22.44	9.45	16.93	20.47	31.10	3/4 x 1/2 x 9-1/2		

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



Z-DESIGN, WITH SOLID SHAFT, DOUBLE AND TRIPLE REDUCTION



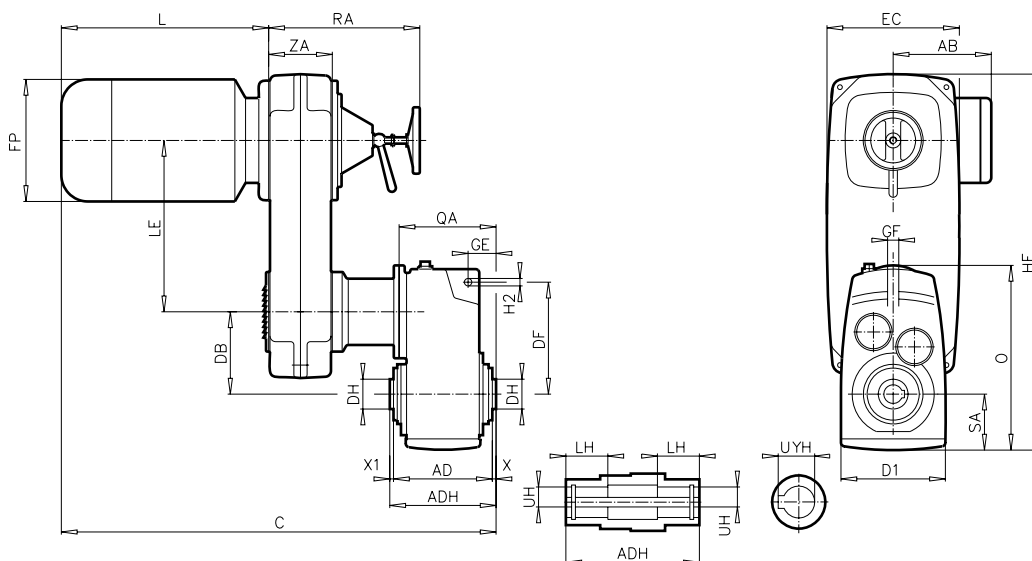
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions		
	AD DB	DF D1 GE	GF H2 N	O QA SA	C	EC	HF	LE	RA	ZA	AB	FP	L	U	UY Key	V
SK 8382 V - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	13.86	18.31	1.97	27.74	46.00	9.84	37.71	10.16	12.60	5.04	5.90	8.50	14.00	4.250	4.69	8.50
		18.50	1.22	22.08	48.07	10.63	37.87	10.31	13.23	5.51	7.40	10.30	15.60			
	14.17	3.27	8.78	8.66	49.17						7.40	10.30	16.70			
					53.31	12.44	42.28	12.36	15.59	6.34	9.70	13.30	18.20		1 x 1 x 7-1/4	
					53.98	14.09	43.50	13.58	16.50	7.01	9.70	13.30	18.20			
					55.78						9.70	13.30	20.00			
					57.34	16.30	47.79	16.81	19.53	8.27	12.70	15.20	20.30			
					58.84						12.70	15.20	21.80			
SK 8282 V - R 350 Z - 200 L	13.86	.31	1.97	28.74	6.73	16.30	47.79	16.81	19.53	8.27	12.05	15.67	27.09	4.250	4.69	8.50
		18.50	1.22	22.08												
SK 8282 V - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	14.17	3.27	8.78	8.66	68.54	19.69	53.38	20.71	22.44	9.45	12.05	15.67	27.09	4.250	4.69	8.50
		18.50	1.22	22.71	68.54						12.05	15.67	27.09			
					72.55	19.69	53.38	20.71	22.44	9.45	19.63	20.47	31.10		1 x 1 x 7-1/4	
					78.23	19.69	71.22	35.20	25.24	11.81	17.91	22.64	34.06			
SK 9382 V - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 256 TC - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	16.14	22.99	2.17	36.97	50.71	10.63	45.31	10.31	13.23	5.51	7.40	10.30	15.60	5.250	5.80	9.84
		24.02	1.22	24.72	51.81						7.40	10.30	16.70			
	18.27	3.70	10.23	11.61	55.95	12.44	48.34	12.36	15.59	6.34	9.70	13.30	18.20		1-1/4 x 1-1/4 x 8-3/8	
					58.42	14.09	50.55	13.58	16.50	7.01	9.70	13.30	20.00			
					59.68	16.30	54.84	16.81	19.53	8.27	9.70	13.30	20.00			
					59.68						12.70	15.20	20.30			
					61.48						12.70	15.20	21.80			
					66.77	16.30	54.84	16.81	19.53	8.27	12.05	15.67	27.09			
SK 9282 V - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	16.14	22.99	2.17	36.97	71.14	19.69	60.43	20.71	22.44	9.45	12.05	15.67	27.09	5.250	5.80	9.84
		24.02	1.22	24.72	71.14						12.05	15.67	27.09			
	18.27	3.70	10.23	11.61	75.15	19.69	60.43	20.71	22.44	9.45	16.93	20.47	31.10		1-1/4 x 1-1/4 x 8-3/8	
					80.83	19.69	78.27	35.20	25.24	11.81	17.91	22.64	34.06			
					80.83						17.91	22.64	34.06			
					84.96						20.28	25.39	38.19			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



Z-DESIGN, WITH HOLLOW SHAFT, DOUBLE AND TRIPLE REDUCTION

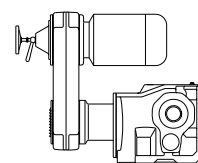


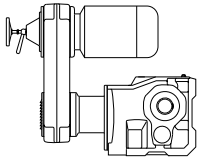
Type	Gear reducer dimensions					Outline dimensions						Motor dimensions			Shaft dimensions		
	AD	DB DF D1	GE GF H2	O QA SA		C	EC	HF	LE	RA	ZA	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 8382 A - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 254 TC - 256 TC - R 300 Z - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	13.86	14.17 18.31 18.50	3.27 1.97 1.22	28.74 13.58 8.66		37,50	9,84	37,71	10,16	12,60	5,04	5,90	8,50	14,00	14,41	4,65	0,28
						39,57	10,63	37,87	10,31	13,23	5,51	7,40	10,30	15,60	5,12	4,062	0,28
						40,67						7,40	10,30	16,70		4,25	
						44,81	12,44	42,28	12,36	15,59	6,34	9,70	13,30	18,20	1 x 1/2 x 12		
						45,48	14,09	43,50	13,58	16,50	7,01	9,70	13,30	18,20			
						47,28						9,70	13,0	20,00			
						48,84	16,30	47,79	16,81	19,53	8,27	12,70	15,20	20,30			
						50,34						12,70	15,20	21,80			
SK 8282 A - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	13.86	14.17 18.31 18.50	3.27 1.97 1.22	28.74 14.21 8.66		58,23	16,30	47,79	16,81	19,53	8,27	12,05	15,67	27,09	14,41	4,65	0,28
						59,73	19,69	53,38	20,71	22,44	9,45	12,05	15,67	27,09	5,12	4,062	0,28
						60,04						12,05	15,67	27,09		4,25	
						60,04						12,05	15,67	27,09	1 x 1/2 x 12		
						64,05	19,69	53,38	20,71	22,44	9,45	19,63	20,47	31,10			
						69,73	19,69	71,22	35,20	25,24	11,81	17,91	22,64	34,06			
						69,73						17,91	22,64	34,06			
						73,86						20,28	25,39	38,19			
SK 9382 A - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 256 TC - R 300 Z - 256 TC - 284 TC - 286 TC - R 350 Z - 200 L - R 375 Z - 225 S - 225 M - R 400 Z - 250 M	16.14	18.27 22.99 24.02	3.70 2.17 1.22	36.97 14.88 11.61		40,87	10,63	45,31	10,31	13,23	5,51	7,40	10,30	15,60	16,93	6,50	0,39
						41,97						7,40	10,30	16,70	6,30	4,750	0,39
						46,11	12,44	48,34	12,36	15,59	6,34	9,70	13,30	18,20	1-1/4 x 7/8 x 14		
						48,58	14,09	50,55	13,58	16,50	7,01	9,70	13,30	20,00			
						49,84	16,30	54,84	16,81	19,53	8,27	9,70	13,30	20,00			
						50,14						12,70	15,20	20,30			
						51,64						12,70	15,20	21,80			
						56,93	16,30	54,84	16,81	19,53	8,27	12,05	15,67	27,09			
SK 9282 A - R 375 Z - 225 S - 225 M - R 400 Z - 250 M - R 500 Z - 280 S - 280 M - 315 S	16.14	18.27 22.99 24.02	3.70 2.17 1.22	36.97 15.47 11.61		61,30	19,69	60,43	20,71	22,44	9,45	12,05	15,67	27,09	16,93	6,50	0,39
						61,30						12,05	15,67	27,09	6,30	4,750	0,39
						65,31	19,69	60,43	20,71	22,44	9,45	16,93	20,47	31,10	1-1/4 x 7/8 x 14		
						70,99	19,69	78,27	35,20	25,24	11,81	17,91	22,64	34,06			
						70,99						17,91	22,64	34,06			
						75,12						20,28	25,39	38,19			

Technical design may be subject to change. DXF files available upon request.

NOTES

VARIABLE SPEED HELICAL BEVEL GEARED MOTORS

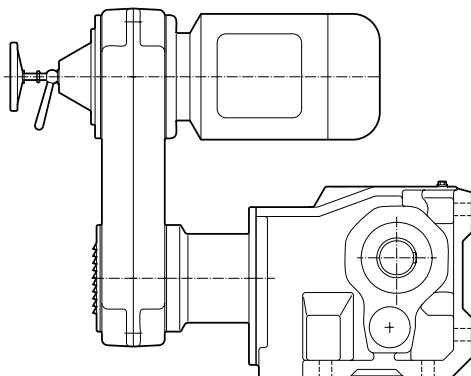




VARIABLE SPEED HELICAL BEVEL GEARED MOTORS

MOUNTING POSITIONS

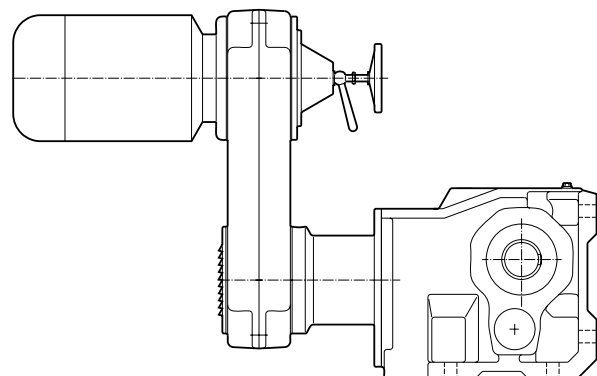
GEAR TYPE	VARIABLE SPEED TYPE
FOOT MOUNTED EXECUTION, SOLID SHAFT	
SK 9012 - SK 9092 = Helical Bevel Gearboxes, triple reduction	R 080 U R 100 U R 150 U R 196 U R 210 U R 250 U R 280 U Variable speed drives U design R 300 U R 350 U R 375 U R 400 U R 500 U
SHAFT MOUNTED EXECUTION, HOLLOW SHAFT	
SK 9012 AZ - SK 9092 AZ = Helical Bevel Gearboxes, triple reduction	
FLANGE MOUNTED EXECUTION, SOLID SHAFT, FLANGE B5	
SK 9012 VF - SK 9092 VF = Helical Bevel Gearboxes, triple reduction	R 080 Z R 100 Z R 150 Z R 196 Z R 210 Z R 250 Z Variable speed drives Z design R 280 Z R 300 Z R 350 Z R 375 Z R 400 Z R 500 Z
HELICAL-BEVEL GEAR UNITS - OPTIONS	
see catalog 1000	



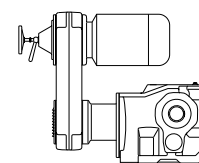
STANDARD TYPE

Variable speed helical bevel geared motor
U - design (affix: U), with control gear type ZV

Variable speed helical bevel geared motor
Z - design (affix: Z), with control gear type ZV



VARIABLE SPEED HELICAL BEVEL GEARED MOTORS

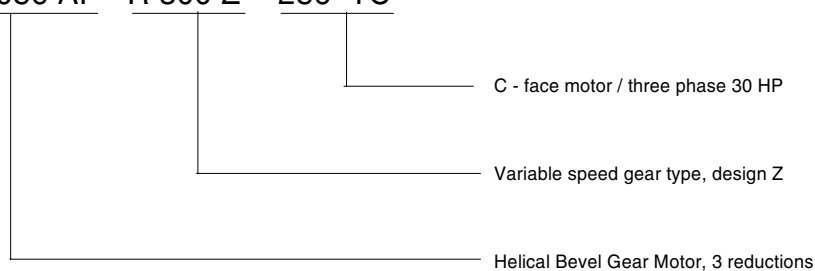


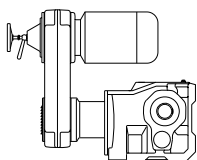
MOUNTING POSITIONS

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
= Speed control ZV WST = Angular control EMFST= Electromechanical remote control SPEED INDICATORS BLA = Non contacting speed indicator, analogue BLD = Non contacting speed indicator, digital FAA = EMFST with remote speed indicator, analogue FAD = EMFST with remote speed indicator, digital	C - face 1/3 - 30 HP 56 C - 286 TC IEC 40 - 150 HP 200 L/4 - 315 S/4	BRE = with brake DG = Incremental encoder HL = Brake motor with hand release R = Backstop RG = Brake corrosion-protected	SR = Brake dust-proof TF = Thermistor TW = Thermal trip WE = 2nd motor shaft end

EXAMPLE FOR ORDERING:

SK 9086 AF - R 300 Z - 286 TC





VARIABLE SPEED HELICAL BEVEL GEARED MOTORS

MOUNTING POSITIONS

FOOT MOUNTED

B 3 U (Z)	B 3 I U (Z)	B 6 U (Z)	B 8 U (Z)
B 6 I U (Z)	B 6 II U (Z)	B 8 I U (Z)	V 5 I U (Z)

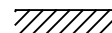
Symbols: Vent plug



Drain plug



Oil level



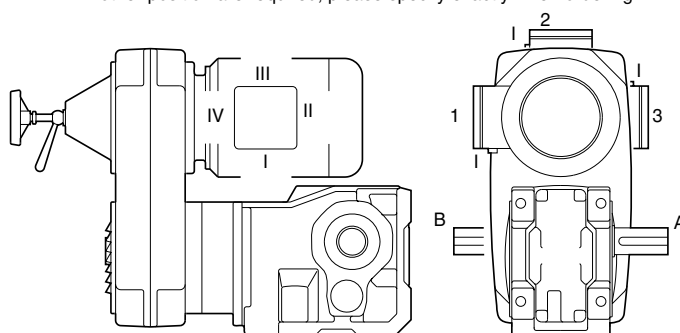
Mounting surface

POSITION OF TERMINAL BOX AND CABLE ENTRY

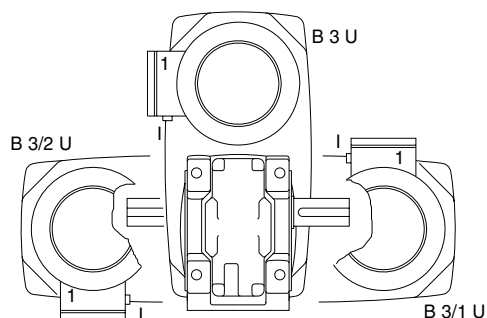
Please specify position of terminal box and cable entry !

Normal design: 1/3 - 30 HP , Terminal box at 3 , Cable entry at I or III only.
40 - 150 HP , Terminal box at 1 , Cable entry at I.

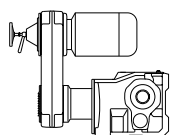
If other position are required, please specify exactly when ordering.



In all mounting positions the variable speed drive may be mounted at an angle of 90°.
affix: *1 = right , *2 = left



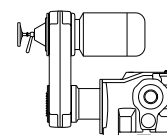
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

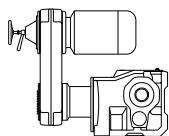
Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio	Type	Weight approx. [Lbs]	(460 V) I _N [A]	i _{Regel}
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}				
0.33	11.0	2.2	1708	8523	6.2	1.2	350.99	SK 9032 - R100 Z - 56 C	183	0.8	5.00
	13.0	2.6	1443	7204	8.0	1.6	296.91				
	15.0	3.0	1239	6204	9.3	1.9	255.55				
	17	3.5	1080	5416	10.7	2.1	223.21				
	19	3.8	982	4903	11.7	2.3	202.06				
	22	4.4	857	4283	13.4	2.7	176.49				
	26	5.2	722	3611	15.9	3.2	148.81				
	29	5.9	638	3186	16.6	3.3	131.42				
	9.9	2.0	1903	5310	2.8	1.0	391.20	SK 9022 - R100 Z - 56 C	130	0.8	5.00
	13.8	2.8	1354	6372	4.7	1.0	278.98				
	17	3.5	1071	5363	6.0	1.2	220.93				
	20	3.9	956	4761	5.6	1.1	196.08				
	25	5.0	754	3770	7.0	1.4	155.28				
	28	5.5	678	3390	7.8	1.6	139.72				
	35	6.9	541	2708	9.8	2.0	111.47				
	39	7.7	484	2416	13.2	2.6	99.63				
	49	9.7	386	1929	16.5	3.3	79.49				
	58	11.5	325	1628	19.6	3.9	66.93				
	11.6	2.3	1611	3540	2.2	1.0	332.37	SK 9012 - R100 Z - 56 C	112	0.8	5.00
	13.7	2.7	1363	3540	2.6	1.0	280.71				
	16	3.1	1195	3540	3.0	1.0	246.37				
	19	3.7	1000	3540	3.5	1.0	205.93				
	21	4.2	885	3540	4.0	1.0	183.10				
	23	4.6	809	3540	4.4	1.0	166.59				
	27	5.5	683	3416	5.2	1.0	140.70				
	31	6.2	599	3000	5.9	1.2	123.48				
	35	7.0	533	2664	6.6	1.3	109.79				
	40	7.9	473	2363	7.5	1.5	97.36				
	45	9.0	418	2089	8.5	1.7	86.00				
	50	10.1	372	1859	9.5	1.9	76.53				
	61	12.3	304	1522	11.6	2.3	62.74				
	70	14.0	268	1336	13.2	2.6	55.17				
	79	16	238	1186	14.9	3.0	48.95				
	93	19	202	1009	17.5	3.5	41.65				
	111	22	169	845	20.9	4.2	34.81				
	123	25	153	764	23.1	4.6	31.45				
	140	28	135	671	26.3	5.3	27.65				
	157	31	119	596	29.6	5.9	24.53				
	185	37	101	506	30.7	6.1	20.87				
	221	44	85.0	424	36.5	7.3	17.45				
	252	50	74.3	372	38.1	7.6	15.30				
	315	63	59.3	296	29.9	6.0	12.23				
	356	71	53.1	264	31.7	6.4	10.85				
	418	84	45.1	224	35.3	7.1	9.23				
	477	95	38.9	196	36.4	7.2	8.09				
0.50	11.0	2.2	2584	10620	4.1	1.0	350.99	SK 9032 - R100 Z - 56 C	183	1.1	5.00
	13.0	2.6	2186	10921	5.3	1.1	296.91				
	15.0	3.0	1876	9399	6.1	1.2	255.55				
	17	3.5	1646	8213	7.0	1.4	223.21				
	19	3.8	1487	7434	7.7	1.5	202.06				
	22	4.4	1301	6487	8.8	1.8	176.49				
	26	5.2	1097	5469	10.5	2.1	148.81				
	29	5.9	965	4832	11.0	2.2	131.42				
	35	6.9	818	4089	14.1	2.8	111.17				
	39	7.7	735	3673	14.5	2.9	99.85				
	46	9.1	621	3106	18.5	3.7	84.47				
	9.9	2.0	2876	5310	1.8	1.0	391.20	SK 9022 - R100 Z - 56 C	130	1.1	5.00
	13.8	2.8	2053	6372	3.1	1.0	278.98				
	17	3.5	1628	6372	3.9	1.0	220.93				
	20	3.9	1443	5310	3.7	1.0	196.08				
	25	5.0	1142	5310	4.7	1.0	155.28				
	28	5.5	1027	5142	5.2	1.0	139.72				

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.50	35	6.9	820	4098	6.5	1.3	111.47	SK 9022 - R100 Z - 56 C	130	1.1	5.00
	39	7.7	733	3664	8.7	1.7	99.63				
	49	9.7	585	2921	10.9	2.2	79.49				
	58	11.5	492	2460	12.9	2.6	66.93				
	66	13.1	432	2159	14.8	3.0	58.70				
	74	14.7	386	1929	16.5	3.3	52.42				
	77	15.0	367	1841	17.3	3.5	49.94				
	11.6	2.3	2443	3540	1.4	1.0	332.37	SK 9012 - R100 Z - 56 C	112	1.1	5.00
	13.7	2.7	2062	3540	1.7	1.0	280.71				
	16	3.1	1814	3540	2.0	1.0	246.37				
	19	3.7	1513	3540	2.3	1.0	205.93				
	21	4.2	1345	3540	2.6	1.0	183.10				
	23	4.6	1221	3540	2.9	1.0	166.59				
	27	5.5	1035	3540	3.4	1.0	140.70				
	31	6.2	912	3540	3.9	1.0	123.48				
	35	7.0	808	3540	4.4	1.0	109.79				
	40	7.9	716	3540	4.9	1.0	97.36				
	45	9.0	633	3159	5.6	1.1	86.00				
	50	10.1	563	2814	6.3	1.3	76.53				
	61	12.3	461	2310	7.7	1.5	62.74				
	70	14.0	406	2027	8.7	1.7	55.17				
	79	16	360	1797	9.8	2.0	48.95				
	93	19	306	1531	11.6	2.3	41.65				
	111	22	256	1283	13.8	2.8	34.81				
	123	25	231	1159	15.3	3.1	31.45				
	140	28	204	1018	17.4	3.5	27.65				
	157	31	181	903	19.6	3.9	24.53				
	185	37	153	767	20.2	4.0	20.87				
	221	44	128	642	24.1	4.8	17.45				
	252	50	112	563	25.2	5.0	15.30				
	315	63	90.3	450	19.6	3.9	12.23				
	356	71	79.7	399	21.1	4.2	10.85				
	418	84	68.1	340	23.4	4.7	9.23				
	477	95	59.3	297	23.9	4.8	8.09				
0.75	11.0	2.2	3876	10620	2.7	1.0	350.99	SK 9032 - R100 Z - 56 C	183	1.6	5.00
	13.0	2.6	3275	11505	3.5	1.0	296.91				
	15.0	3.0	2823	11505	4.1	1.0	255.55				
	17	3.5	2460	11505	4.7	1.0	223.21				
	19	3.8	2230	11151	5.2	1.0	202.06				
	22	4.4	1947	9735	5.9	1.2	176.49				
	26	5.2	1646	8213	7.0	1.4	148.81				
	29	5.9	1451	7248	7.3	1.5	131.42				
	35	6.9	1230	6133	9.4	1.9	111.17				
	39	7.7	1097	5505	9.7	1.9	99.85				
	46	9.1	929	4664	12.4	2.5	84.47				
	51	10.1	841	4204	13.7	2.7	76.18				
	9.9	2.0	4319	5310	1.2	1.0	391.20	SK 9022 - R100 Z - 56 C	130	1.6	5.00
	13.8	2.8	3080	6372	2.1	1.0	278.98				
	17	3.5	2434	6372	2.6	1.0	220.93				
	20	3.9	2159	5310	2.5	1.0	196.08				
	25	5.0	1717	5310	3.1	1.0	155.28				
	28	5.5	1540	5310	3.4	1.0	139.72				
	35	6.9	1230	5310	4.3	1.0	111.47				
	39	7.7	1097	5496	5.8	1.2	99.63				
	49	9.7	877	4390	7.3	1.5	79.49				
	58	11.5	738	3690	8.6	1.7	66.93				
	66	13.1	648	3239	9.8	2.0	58.70				
	74	14.7	579	2894	11.0	2.2	52.42				
	77	15.0	551	2752	11.6	2.3	49.94				
	86	17	497	2487	12.8	2.6	45.05				
	96	19	443	2213	14.4	2.9	40.07				
	122	24	349	1743	18.3	3.7	31.62				

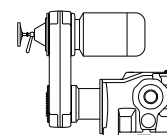


VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V) I_N [A]	i_{Regel}
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}					
0.75	13.7	2.7	3098	3540	1.1	1.0	280.71	SK 9012 - R100 Z - 56 C	112	1.6	5.00
	16	3.1	2717	3540	1.3	1.0	246.37				
	19	3.7	2274	3540	1.6	1.0	205.93				
	21	4.2	2018	3540	1.8	1.0	183.10				
	23	4.6	1841	3540	1.9	1.0	166.59				
	27	5.5	1549	3540	2.3	1.0	140.70				
	31	6.2	1363	3540	2.6	1.0	123.48				
	35	7.0	1212	3540	2.9	1.0	109.79				
	40	7.9	1071	3540	3.3	1.0	97.36				
	45	9.0	947	3540	3.7	1.0	86.00				
	50	10.1	844	3540	4.2	1.0	76.53				
	61	12.3	692	3460	5.1	1.0	62.74				
	70	14.0	609	3044	5.8	1.2	55.17				
	79	16	540	2699	6.6	1.3	48.95				
	93	19	459	2301	7.7	1.5	41.65				
	111	22	384	1920	9.2	1.8	34.81				
	123	25	347	1735	10.2	2.0	31.45				
	140	28	305	1522	11.6	2.3	27.65				
	157	31	271	1354	13.1	2.6	24.53				
	185	37	230	1151	13.5	2.7	20.87				
	221	44	193	965	16.1	3.2	17.45				
	252	50	169	844	16.8	3.4	15.30				
	315	63	135	674	13.2	2.6	12.23				
	356	71	119	598	14.1	2.8	10.85				
	418	84	102	509	15.7	3.1	9.23				
	477	95	89.4	446	15.8	3.2	8.09				
1.00	11.0	2.2	5160	10620	2.1	1.0	350.99	SK 9032 - R100 Z - 143 TC	196	2.1	5.00
	13.0	2.6	4372	11505	2.6	1.0	296.91				
	15.0	3.0	3761	11505	3.1	1.0	255.55				
	17	3.5	3283	11505	3.5	1.0	223.21				
	19	3.8	2974	11505	3.9	1.0	202.06				
	22	4.4	2593	11505	4.4	1.0	176.49				
	26	5.2	2186	9947	5.3	1.2	148.81				
	29	5.9	1929	8779	5.5	1.2	131.42				
	35	6.9	1637	7425	7.0	1.5	111.17				
	39	7.7	1469	6673	7.2	1.6	99.85				
	46	9.1	1239	5646	9.3	2.0	84.47				
	51	10.1	1124	5089	10.2	2.3	76.18				
	65	13.0	873	3965	13.2	2.9	59.38				
	81	16	704	3195	16.3	3.6	47.87				
	13.8	2.8	4106	6372	1.6	1.0	278.98	SK 9022 - R100 Z - 143 TC	143	2.1	5.00
	17	3.5	3248	6372	2.0	1.0	220.93				
	20	3.9	2885	5310	1.8	1.0	196.08				
	25	5.0	2283	5310	2.3	1.0	155.28				
	28	5.5	2053	5310	2.6	1.0	139.72				
	35	6.9	1637	5310	3.2	1.0	111.47				
	39	7.7	1469	6372	4.3	1.0	99.63				
	49	9.7	1168	5310	5.5	1.2	79.49				
	58	11.5	982	4469	6.5	1.4	66.93				
	66	13.1	864	3921	7.4	1.6	58.70				
	74	14.7	771	3505	8.3	1.8	52.42				
	77	15.0	735	3336	8.7	1.9	49.94				
	86	17	663	3009	9.6	2.1	45.05				
	96	19	589	2682	10.8	2.4	40.07				
	122	24	466	2115	13.7	3.0	31.62				
	131	26	433	1965	14.7	3.2	29.42				
	147	29	387	1752	16.5	3.6	26.27				
	19	3.7	3027	3540	1.2	1.0	205.93	SK 9012 - R100 Z - 143 TC	126	2.1	5.00
	21	4.2	2690	3540	1.3	1.0	183.10				
	23	4.6	2451	3540	1.4	1.0	166.59				
	27	5.5	2071	3540	1.7	1.0	140.70				

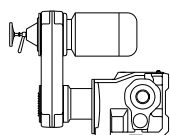
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
1.00	31	6.2	1814	3540	2.0	1.0	123.48	SK 9012 - R100 Z - 143 TC	126	2.1	5.00
	35	7.0	1620	3540	2.2	1.0	109.79				
	40	7.9	1434	3540	2.5	1.0	97.36				
	45	9.0	1266	3540	2.8	1.0	86.00				
	50	10.1	1124	3540	3.1	1.0	76.53				
	61	12.3	920	3540	3.8	1.0	62.74				
	70	14.0	812	3540	4.4	1.0	55.17				
	79	16	720	3275	4.9	1.1	48.95				
	93	19	612	2788	5.8	1.3	41.65				
	111	22	512	2328	6.9	1.5	34.81				
	123	25	463	2097	7.6	1.7	31.45				
	140	28	407	1850	8.7	1.9	27.65				
	157	31	361	1637	9.8	2.2	24.53				
	185	37	307	1398	10.1	2.2	20.87				
	221	44	257	1168	12.1	2.7	17.45				
	252	50	225	1027	12.6	2.8	15.30				
	315	63	180	818	9.9	2.2	12.23				
	356	71	159	725	10.6	2.3	10.85				
	418	84	135	617	11.8	2.6	9.23				
	477	95	119	541	11.9	2.6	8.09				
1.50	11.0	2.2	7744	10620	1.4	1.0	350.99	SK 9032 - R100 Z - 145 TC	196	3.0	5.00
	13.0	2.6	6549	11505	1.8	1.0	296.91				
	15.0	3.0	5637	11505	2.0	1.0	255.55				
	17	3.5	4929	11505	2.3	1.0	223.21				
	19	3.8	4460	11505	2.6	1.0	202.06				
	22	4.4	3894	11505	3.0	1.0	176.49				
	26	5.2	3283	9947	3.5	1.2	148.81				
	29	5.9	2903	8779	3.7	1.2	131.42				
	35	6.9	2451	7425	4.7	1.5	111.17				
	39	7.7	2204	6673	4.8	1.6	99.85				
	46	9.1	1867	5646	6.2	2.0	84.47				
	51	10.1	1682	5089	6.8	2.3	76.18				
	65	13.0	1310	3965	8.8	2.9	59.38				
	81	16	1053	3195	10.9	3.6	47.87				
	17	3.5	4876	6372	1.3	1.0	220.93	SK 9022 - R100 Z - 145 TC	143	3.0	5.00
	20	3.9	4328	5310	1.2	1.0	196.08				
	25	5.0	3425	5310	1.6	1.0	155.28				
	28	5.5	3080	5310	1.7	1.0	139.72				
	35	6.9	2460	5310	2.2	1.0	111.47				
	39	7.7	2195	6372	2.9	1.0	99.63				
	49	9.7	1752	5310	3.6	1.2	79.49				
	58	11.5	1478	4469	4.3	1.4	66.93				
	66	13.1	1292	3921	4.9	1.6	58.70				
	74	14.7	1159	3505	5.5	1.8	52.42				
	77	15.0	1106	3336	5.8	1.9	49.94				
	86	17	991	3009	6.4	2.1	45.05				
	96	19	884	2682	7.2	2.4	40.07				
	122	24	697	2115	9.1	3.0	31.62				
	131	26	650	1965	9.8	3.2	29.42				
	147	29	580	1752	11.0	3.6	26.27				
	14.6	2.4	5850	6372	1.1	1.0	278.98	SK 9022 - R150 U/Z - 145 TC	168	3.0	6.00
	18	3.1	4629	6372	1.4	1.0	220.93				
	21	3.5	4115	5310	1.3	1.0	196.08				
	26	4.4	3257	5310	1.6	1.0	155.28				
	29	4.8	2929	5310	1.8	1.0	139.72				
	36	6.1	2336	5310	2.3	1.0	111.47				
	41	6.8	2089	6372	3.1	1.0	99.63				
	51	8.5	1664	6372	3.8	1.0	79.49				
	61	10.1	1407	6372	4.5	1.0	66.93				
	69	11.5	1230	6372	5.2	1.0	58.70				

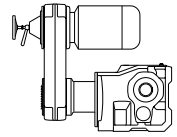
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V) I_N [A]	i_{Regel}
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}					
1.50	77	12.9	1097	6284	5.8	1.0	52.42	SK 9022 - R150 U/Z - 145 TC	168	3.0	6.00
	81	13.5	1044	5691	6.1	1.1	49.94				
	90	15.0	947	5399	6.7	1.2	45.05				
	101	17	840	4806	7.6	1.3	40.07				
	128	21	663	3788	9.6	1.7	31.62				
	138	23	617	3531	10.3	1.8	29.42				
	155	26	550	3151	11.6	2.0	26.27				
	27	5.5	3106	3540	1.1	1.0	140.70	SK 9012 - R100 Z - 145 TC	126	3.0	5.00
	31	6.2	2726	3540	1.3	1.0	123.48				
	35	7.0	2425	3540	1.5	1.0	109.79				
	40	7.9	2151	3540	1.6	1.0	97.36				
	45	9.0	1894	3540	1.9	1.0	86.00				
	50	10.1	1690	3540	2.1	1.0	76.53				
	61	12.3	1381	3540	2.6	1.0	62.74				
	70	14.0	1221	3540	2.9	1.0	55.17				
	79	16	1080	3275	3.3	1.1	48.95				
	93	19	920	2788	3.8	1.3	41.65				
	111	22	768	2328	4.6	1.5	34.81				
	123	25	694	2097	5.1	1.7	31.45				
	140	28	610	1850	5.8	1.9	27.65				
	157	31	542	1637	6.5	2.2	24.53				
	185	37	460	1398	6.7	2.2	20.87				
	221	44	385	1168	8.0	2.7	17.45				
	252	50	337	1027	8.4	2.8	15.30				
2.00	315	63	270	818	6.6	2.2	12.23				
	356	71	240	725	7.0	2.3	10.85				
	418	84	204	617	7.8	2.6	9.23				
	477	95	179	541	7.9	2.6	8.09				
	13.0	2.6	8735	11505	1.3	1.0	296.91	SK 9032 - R100 Z - 145 TC	196	3.4	5.00
	15.0	3.0	7523	11505	1.5	1.0	255.55				
	17	3.5	6567	11505	1.8	1.0	223.21				
	19	3.8	5947	11505	1.9	1.0	202.06				
	22	4.4	5195	11505	2.2	1.0	176.49				
	26	5.2	4381	9947	2.6	1.2	148.81				
	29	5.9	3867	8779	2.7	1.2	131.42				
	35	6.9	3275	7425	3.5	1.5	111.17				
	39	7.7	2938	6673	3.6	1.6	99.85				
	46	9.1	2487	5646	4.6	2.0	84.47				
	51	10.1	2239	5089	5.1	2.3	76.18				
	65	13.0	1743	3965	6.6	2.9	59.38				
	81	16	1407	3195	8.2	3.6	47.87				
	25	5.0	4567	5310	1.2	1.0	155.28	SK 9022 - R100 Z - 145 TC	143	3.4	5.00
	28	5.5	4115	5310	1.3	1.0	139.72				
	35	6.9	3283	5310	1.6	1.0	111.47				
	39	7.7	2929	6372	2.2	1.0	99.63				
	49	9.7	2336	5310	2.7	1.2	79.49				
	58	11.5	1974	4469	3.2	1.4	66.93				
	66	13.1	1726	3921	3.7	1.6	58.70				
	74	14.7	1540	3505	4.1	1.8	52.42				
	77	15.0	1469	3336	4.3	1.9	49.94				
	86	17	1328	3009	4.8	2.1	45.05				
	96	19	1177	2682	5.4	2.4	40.07				
	122	24	929	2115	6.9	3.0	31.62				
	131	26	866	1965	7.4	3.2	29.42				
	147	29	773	1752	8.2	3.6	26.27				
	26	4.4	4345	5310	1.2	1.0	155.28	SK 9022 - R150 U/Z - 145 TC	168	3.4	6.00
	29	4.8	3903	5310	1.4	1.0	139.72				
	36	6.1	3115	5310	1.7	1.0	111.47				
	41	6.8	2788	6372	2.3	1.0	99.63				
	51	8.5	2221	6372	2.9	1.0	79.49				

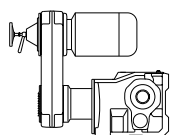
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
2.00	61	10.1	1867	6372	3.4	1.0	66.93	SK 9022 - R150 U/Z - 145 TC	168	3.4	6.00
	69	11.5	1637	6372	3.9	1.0	58.70				
	77	12.9	1469	6284	4.3	1.0	52.42				
	81	13.5	1398	5691	4.6	1.1	49.94				
	90	15.0	1257	5399	5.1	1.2	45.05				
	101	17	1124	4806	5.7	1.3	40.07				
	128	21	884	3788	7.2	1.7	31.62				
	138	23	822	3531	7.8	1.8	29.42				
	155	26	735	3151	8.7	2.0	26.27				
	35	7.0	3230	3540	1.1	1.0	109.79	SK 9012 - R100 Z - 145 TC	126	3.4	5.00
	40	7.9	2867	3540	1.2	1.0	97.36				
	45	9.0	2531	3540	1.4	1.0	86.00				
	50	10.1	2248	3540	1.6	1.0	76.53				
	61	12.3	1850	3540	1.9	1.0	62.74				
	70	14.0	1620	3540	2.2	1.0	55.17				
	79	16	1443	3275	2.5	1.1	48.95				
	93	19	1221	2788	2.9	1.3	41.65				
	111	22	1027	2328	3.4	1.5	34.81				
	123	25	929	2097	3.8	1.7	31.45				
	140	28	813	1850	4.4	1.9	27.65				
	157	31	722	1637	4.9	2.2	24.53				
	185	37	614	1398	5.0	2.2	20.87				
	221	44	513	1168	6.0	2.7	17.45				
	252	50	450	1027	6.3	2.8	15.30				
	315	63	360	818	4.9	2.2	12.23				
	356	71	319	725	5.3	2.3	10.85				
	418	84	272	617	5.9	2.6	9.23				
	477	95	238	541	5.9	2.6	8.09				
3.00	11.7	1.9	14594	31860	2.2	1.0	347.96	SK 9052 - R150 Z - 145 TC	523	4.8	6.00
	14.0	2.3	12186	34860	3.1	1.1	290.70				
	16	2.7	10496	30019	3.4	1.2	250.34				
	20	3.4	8354	23877	4.4	1.6	199.13				
	24	3.9	7195	20567	4.9	1.7	171.48				
	28	4.7	6045	17293	5.3	1.8	144.22				
	34	5.6	5053	14452	7.4	2.6	120.48				
	41	6.8	4186	11965	7.2	2.5	99.81				
	46	7.6	3708	10611	10.0	3.5	88.50				
	10.9	1.8	15691	19470	1.2	1.0	374.09	SK 9042 - R150 Z - 145 TC	357	4.8	6.00
	12.7	2.1	13443	21240	1.6	1.0	320.56				
	15.0	2.5	11186	19470	1.7	1.0	266.67				
	18	3.0	9585	21240	2.2	1.0	228.51				
	21	3.5	8124	21240	2.6	1.0	193.82				
	26	4.4	6522	18647	3.3	1.1	155.52				
	30	5.1	5602	16027	3.5	1.2	133.66				
	35	5.9	4806	13735	4.4	1.5	114.53				
	37	6.2	4549	13001	4.3	1.5	108.44				
	44	7.3	3894	11142	5.5	1.9	92.92				
	48	8.1	3522	10080	6.0	2.1	84.04				
	55	9.1	3106	8885	6.8	2.4	74.08				
	61	10.1	2797	8000	7.6	2.7	66.71				
	75	12.5	2274	6496	8.6	3.0	54.15				
	16	2.6	10717	11505	1.1	1.0	255.55	SK 9032 - R150 Z - 145 TC	240	4.8	6.00
	18	3.0	9363	11505	1.2	1.0	223.21				
	20	3.3	8469	11505	1.4	1.0	202.06				
	23	3.8	7399	11505	1.6	1.0	176.49				
	27	4.5	6239	11505	1.8	1.0	148.81				
	31	5.1	5514	10620	1.9	1.0	131.42				
	37	6.1	4664	11505	2.5	1.0	111.17				
	41	6.8	4186	10620	2.5	1.0	99.85				
	48	8.0	3540	10133	3.2	1.1	84.47				

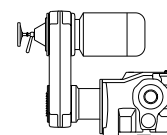
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V) <i>I</i> _N [A]	<i>i</i> _{Regel}
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}					
3.00	53	8.9	3195	9133	3.6	1.3	76.18	SK 9032 - R150 Z - 145 TC	240	4.8	6.00
	68	11.4	2487	7124	4.6	1.6	59.38				
	82	13.6	2080	5947	5.5	1.9	49.61				
	85	14.1	2009	5744	5.7	2.0	47.87				
	99	16	1726	4938	5.6	2.0	41.21				
	113	19	1513	4319	5.8	2.0	35.99				
	133	22	1274	3655	6.9	2.4	30.45				
	143	24	1186	3398	9.0	3.1	28.37				
	153	25	1115	3186	7.9	2.8	26.55				
	18	3.0	9399	11505	1.2	1.0	202.06	SK 9032 - R196 U/Z - 182 TC	254	4.8	6.00
	21	3.5	8213	11505	1.4	1.0	176.49				
	28	4.6	6115	10620	1.7	1.0	131.42				
	33	5.5	5168	11505	2.2	1.0	111.17				
	37	6.1	4646	10620	2.3	1.0	99.85				
	43	7.2	3929	11505	2.9	1.0	84.47				
	48	8.0	3540	11505	3.2	1.0	76.18				
	62	10.3	2761	10859	4.2	1.1	59.38				
	74	12.3	2310	9071	5.0	1.3	49.61				
	76	12.7	2230	8753	5.2	1.3	47.87				
	89	14.8	1920	7540	5.1	1.3	41.21				
	102	17	1673	6584	5.3	1.3	35.99				
	120	20	1416	5567	6.2	1.6	30.45				
	129	21	1319	5186	8.1	2.0	28.37				
	138	23	1239	4859	7.1	1.8	26.55				
	153	25	1115	4390	9.5	2.4	23.99				
	36	6.1	4673	5310	1.1	1.0	111.47	SK 9022 - R150 U/Z - 145 TC	196	4.8	6.00
	41	6.8	4177	6372	1.5	1.0	99.63				
	51	8.5	3336	6372	1.9	1.0	79.49				
	61	10.1	2805	6372	2.3	1.0	66.93				
	69	11.5	2460	6372	2.6	1.0	58.70				
	77	12.9	2195	6284	2.9	1.0	52.42				
	81	13.5	2097	5691	3.0	1.1	49.94				
	90	15.0	1885	5399	3.4	1.2	45.05				
	101	17	1682	4806	3.8	1.3	40.07				
	128	21	1328	3788	4.8	1.7	31.62				
	138	23	1230	3531	5.2	1.8	29.42				
	155	26	1097	3151	5.8	2.0	26.27				
	180	30	947	2708	6.7	2.4	22.58				
	202	34	842	2407	7.6	2.6	20.08				
	249	42	683	1956	7.8	2.7	16.30				
	279	46	611	1743	8.4	2.9	14.56				
	325	54	525	1505	9.1	3.2	12.51				
	365	61	466	1336	9.9	3.4	11.13				
	462	77	368	1053	11.5	4.0	8.78				
	53	8.8	3213	3540	1.1	1.0	76.53	SK 9012 - R150 Z - 145 TC	179	4.8	6.00
	65	10.8	2628	3540	1.3	1.0	62.74				
	74	12.3	2310	3540	1.5	1.0	55.17				
	83	13.8	2053	3540	1.7	1.0	48.95				
	97	16	1743	3540	2.0	1.0	41.65				
	117	19	1460	3540	2.4	1.0	34.81				
	129	22	1319	3540	2.7	1.0	31.45				
	147	24	1159	3319	3.1	1.1	27.65				
	165	28	1027	2938	3.4	1.2	24.53				
	195	32	875	2505	3.5	1.2	20.87				
	233	39	732	2089	4.2	1.5	17.45				
	265	44	642	1832	4.4	1.5	15.30				
	332	55	512	1469	3.5	1.2	12.23				
	374	62	455	1301	3.7	1.3	10.85				
	440	73	387	1106	4.1	1.4	9.23				
	502	84	339	974	4.2	1.5	8.09				

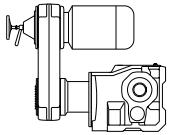
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
5.00	16	2.6	18072	42639	3.5	1.5	233.08	SK 9062 - R196 Z - 184 TC	862	7.6	6.00
	19	3.2	14682	34639	4.3	1.8	189.35				
	31	5.2	9062	21373	5.4	2.3	116.83				
	35	5.8	8098	19116	7.9	3.3	104.49				
	10.5	1.8	26984	31860	1.2	1.0	347.96	SK 9052 - R196 Z - 184 TC	553	7.6	6.00
	12.6	2.1	22541	37170	1.6	1.0	290.70				
	14.6	2.4	19408	35400	1.8	1.0	250.34				
	18	3.1	15443	36427	2.4	1.0	199.13				
	21	3.6	13293	31364	2.7	1.1	171.48				
	25	4.2	11186	26382	2.8	1.2	144.22				
	30	5.1	9346	22037	4.0	1.7	120.48				
	37	6.1	7735	18258	3.9	1.6	99.81				
	41	6.9	6859	16187	5.4	2.3	88.50				
	50	8.4	5620	13266	6.6	2.8	72.51				
	58	9.7	4859	11461	7.7	3.2	62.65				
	67	11.1	4248	10018	8.8	3.7	54.77				
	16	2.7	17718	21240	1.2	1.0	228.51	SK 9042 - R196 Z - 184 TC	388	7.6	6.00
	19	3.1	15027	21240	1.4	1.0	193.82				
	24	3.9	12063	21240	1.8	1.0	155.52				
	27	4.6	10363	19470	1.9	1.0	133.66				
	32	5.3	8877	20948	2.4	1.0	114.53				
	34	5.6	8408	19470	2.3	1.0	108.44				
	39	6.6	7204	17001	2.9	1.2	92.92				
	44	7.3	6514	15372	3.3	1.4	84.04				
	49	8.2	5744	13549	3.7	1.6	74.08				
	55	9.1	5168	12204	4.1	1.7	66.71				
	68	11.3	4195	9903	4.6	2.0	54.15				
	79	13.2	3593	8478	5.2	2.2	46.35				
	93	16	3044	7195	5.8	2.5	39.32				
	109	18	2593	6115	6.8	2.9	33.44				
	33	5.5	8620	11505	1.3	1.0	111.17	SK 9032 - R196 U/Z - 184 TC	269	7.6	6.00
	37	6.1	7744	10620	1.4	1.0	99.85				
	43	7.2	6549	11505	1.8	1.0	84.47				
	48	8.0	5903	11505	1.9	1.0	76.18				
	62	10.3	4602	10859	2.5	1.1	59.38				
	74	12.3	3850	9071	3.0	1.3	49.61				
	76	12.7	3708	8753	3.1	1.3	47.87				
	89	14.8	3195	7540	3.0	1.3	41.21				
	102	17	2788	6584	3.2	1.3	35.99				
	120	20	2363	5567	3.7	1.6	30.45				
	129	21	2204	5186	4.8	2.0	28.37				
	138	23	2062	4859	4.3	1.8	26.55				
	153	25	1859	4390	5.7	2.4	23.99				
	177	30	1602	3779	5.5	2.3	20.65				
	203	34	1398	3301	5.7	2.4	18.04				
	240	40	1186	2788	6.7	2.9	15.26				
	289	48	982	2319	7.2	3.1	12.68				
	341	57	832	1965	8.0	3.4	10.73				
	451	75	629	1487	7.0	3.0	8.48				
7.50	16	2.7	26249	63720	2.4	1.0	233.08	SK 9062 - R210 Z - 213 TC	904	11	6.00
	20	3.3	21320	53357	3.0	1.2	189.35				
	32	5.4	13160	32922	3.7	1.5	116.83				
	36	6.0	11771	29444	5.4	2.2	104.49				
	44	7.3	9770	24444	6.5	2.6	86.75				
	50	8.3	8514	21293	7.5	3.0	75.58				
	57	9.5	7496	18771	8.5	3.4	66.60				
	13.0	2.2	32736	37170	1.1	1.0	290.70	SK 9052 - R210 Z - 213 TC	595	11	6.00
	15.0	2.5	28187	35400	1.3	1.0	250.34				
	19.0	3.2	22426	37170	1.7	1.0	199.13				

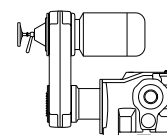
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

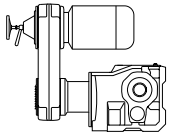
Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio	Type	Weight approx. [Lbs]	(460 V) I _N [A]	i _{Regel}
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}				
7.50	22	3.7	19311	35400	1.8	1.0	171.48	SK 9052 - R210 Z - 213 TC	595	11	6.00
	26	4.4	16240	31860	2.0	1.0	144.22				
	31	5.2	13567	33949	2.7	1.1	120.48				
	38	6.3	11240	28125	2.7	1.1	99.81				
	43	7.1	9965	24939	3.7	1.5	88.50				
	52	8.7	8169	20435	4.6	1.8	72.51				
	60	10.1	7053	17656	5.3	2.1	62.65				
	69	11.5	6168	15434	6.0	2.4	54.77				
	84	14.0	5080	12717	7.3	2.9	45.13				
	97	16	4372	10947	7.7	3.1	38.86				
	104	17	4089	10239	9.1	3.6	36.34				
	120	20	3540	8850	10.5	4.2	31.40				
	24	4.1	17514	21240	1.2	1.0	155.52	SK 9042 - R210 Z - 213 TC	430	11	6.00
	28	4.7	15054	19470	1.3	1.0	133.66				
	33	5.5	12894	21240	1.6	1.0	114.53				
	35	5.8	12213	19470	1.6	1.0	108.44				
	41	6.8	10461	21240	2.0	1.0	92.92				
	45	7.5	9461	21240	2.2	1.0	84.04				
	51	8.5	8346	20877	2.5	1.0	74.08				
	57	9.4	7514	18797	2.8	1.1	66.71				
	70	11.6	6098	15257	3.2	1.3	54.15				
	82	13.6	5222	13063	3.6	1.4	46.35				
	96	16	4425	11080	4.0	1.6	39.32				
	113	19	3770	9425	4.7	1.9	33.44				
	139	23	3053	7646	5.8	2.3	27.14				
	163	27	2620	6549	6.1	2.4	23.23				
	192	32	2221	5558	7.0	2.8	19.71				
	225	38	1885	4726	7.7	3.1	16.76				
	241	40	1761	4416	7.3	2.9	15.66				
	282	47	1513	3779	8.2	3.3	13.40				
10.0	45	7.5	9514	11505	1.2	1.0	84.47	SK 9032 - R210 Z - 213 TC	311	11	6.00
	50	8.3	8576	11505	1.3	1.0	76.18				
	64	10.6	6691	11505	1.7	1.0	59.38				
	76	12.7	5584	11505	2.1	1.0	49.61				
	79	13.2	5390	11505	2.1	1.0	47.87				
	92	15.0	4637	9735	2.1	1.0	41.21				
	105	18	4053	8850	2.2	1.0	35.99				
	124	21	3425	8585	2.6	1.0	30.45				
	133	22	3195	7992	3.3	1.3	28.37				
	142	24	2991	7478	3.0	1.2	26.55				
	158	26	2699	6761	3.9	1.6	23.99				
	183	31	2328	5814	3.8	1.5	20.65				
	209	35	2036	5080	3.9	1.6	18.04				
	248	41	1717	4301	4.6	1.9	15.26				
	298	50	1425	3575	5.0	2.0	12.68				
	352	59	1212	3027	5.5	2.2	10.73				
	466	78	912	2283	4.9	1.9	8.48				
	16	2.7	34993	63720	1.8	1.0	233.08	SK 9062 - R210 Z - 215 TC	917	14	6.00
	20	3.3	28426	53357	2.2	1.2	189.35				
	32	5.4	17541	32922	2.8	1.5	116.83				
	36	6.0	15691	29444	4.1	2.2	104.49				
	44	7.3	13027	24444	4.9	2.6	86.75				
	50	8.3	11346	21293	5.6	3.0	75.58				
10.0	57	9.5	10001	18771	6.4	3.4	66.60	SK 9052 - R210 Z - 215 TC	609	14	6.00
	19	3.2	29895	37170	1.2	1.0	199.13				
	22	3.7	25745	35400	1.4	1.0	171.48				
	26	4.4	21656	31860	1.5	1.0	144.22				
	31	5.2	18089	33949	2.1	1.1	120.48				
	38	6.3	14983	28125	2.0	1.1	99.81				
10.0	43	7.1	13284	24939	2.8	1.5	88.50				

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
10.0	52	8.7	10886	20435	3.4	1.8	72.51	SK 9052 - R210 Z - 215 TC	609	14	6.00
	60	10.1	9408	17656	4.0	2.1	62.65				
	69	11.5	8222	15434	4.5	2.4	54.77				
	84	14.0	6779	12717	5.5	2.9	45.13				
	97	16	5832	10947	5.8	3.1	38.86				
	104	17	5460	10239	6.8	3.6	36.34				
	120	20	4717	8850	7.9	4.2	31.40				
	33	5.5	17196	21240	1.2	1.0	114.53	SK 9042 - R210 Z - 215 TC	443	14	6.00
	35	5.8	16284	19470	1.2	1.0	108.44				
	41	6.8	13948	21240	1.5	1.0	92.92				
	45	7.5	12620	21240	1.7	1.0	84.04				
	51	8.5	11124	20877	1.9	1.0	74.08				
	57	9.4	10018	18797	2.1	1.1	66.71				
	70	11.6	8133	15257	2.4	1.3	54.15				
	82	13.6	6956	13063	2.7	1.4	46.35				
	96	16	5903	11080	3.0	1.6	39.32				
	113	19	5018	9425	3.5	1.9	33.44				
	139	23	4071	7646	4.3	2.3	27.14				
	163	27	3487	6549	4.6	2.4	23.23				
	192	32	2956	5558	5.2	2.8	19.71				
	225	38	2513	4726	5.8	3.1	16.76				
	241	40	2354	4416	5.5	2.9	15.66				
	282	47	2009	3779	6.2	3.3	13.40				
	64	10.6	8912	11505	1.3	1.0	59.38	SK 9032 - R210 Z - 215 TC	324	14	6.00
	76	12.7	7452	11505	1.5	1.0	49.61				
	79	13.2	7186	11505	1.6	1.0	47.87				
	92	15.0	6186	9735	1.6	1.0	41.21				
	105	18	5407	8850	1.6	1.0	35.99				
	124	21	4575	8585	1.9	1.0	30.45				
	133	22	4257	7992	2.5	1.3	28.37				
	142	24	3983	7478	2.2	1.2	26.55				
	158	26	3602	6761	2.9	1.6	23.99				
	183	31	3098	5814	2.9	1.5	20.65				
	209	35	2708	5080	2.9	1.6	18.04				
	248	41	2292	4301	3.5	1.9	15.26				
	298	50	1903	3575	3.7	2.0	12.68				
	352	59	1611	3027	4.1	2.2	10.73				
	466	78	1221	2283	3.6	1.9	8.48				
15.0	16	2.7	52498	63720	1.2	1.0	233.08	SK 9062 - R250 Z - 254 TC	1120	21	6.00
	20	3.3	42648	63720	1.5	1.0	189.35				
	21	3.6	39914	63720	1.6	1.0	177.22				
	26	4.4	32426	57950	2.0	1.1	143.97				
	32	5.4	26311	47029	1.8	1.0	116.83				
	36	6.0	23532	42064	2.7	1.5	104.49				
	44	7.3	19541	34922	3.3	1.8	86.75				
	50	8.3	17019	30426	3.7	2.1	75.58				
	57	9.5	15001	26807	4.2	2.4	66.60				
	68	11.4	12479	22311	5.1	2.9	55.42				
	31	5.2	27134	37170	1.4	1.0	120.48	SK 9052 - R250 Z - 254 TC	785	21	6.00
	38	6.3	22479	30090	1.3	1.0	99.81				
	43	7.1	19930	35621	1.9	1.0	88.50				
	52	8.7	16328	29187	2.3	1.3	72.51				
	60	10.1	14107	25223	2.6	1.5	62.65				
	69	11.5	12337	22045	3.0	1.7	54.77				
	84	14.0	10169	18169	3.7	2.0	45.13				
	97	16	8753	15647	3.8	2.1	38.86				
	104	17	8186	14629	4.5	2.5	36.34				
	120	20	7071	12638	5.3	2.9	31.40				
	138	23	6186	11054	5.7	3.2	27.45				
	167	28	5098	9107	6.6	3.7	22.62				

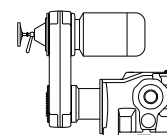


VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS

TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output Torque		Service factor		Red.ratio	Type	Weight approx.	(460 V) I _N	i _{Regel}
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}		[Lbs]	[A]	
15.0	45	7.5	18930	21240	1.1	1.0	84.04	SK 9042 - R250 Z - 254 TC	620	21	6.00
	51	8.5	16682	21240	1.3	1.0	74.08				
	57	9.4	15027	21240	1.4	1.0	66.71				
	70	11.6	12195	19470	1.6	1.0	54.15				
	82	13.6	10443	18585	1.8	1.0	46.35				
	96	16	8859	15824	2.0	1.1	39.32				
	113	19	7531	13461	2.4	1.3	33.44				
	139	23	6115	10921	2.9	1.6	27.14				
	163	27	5230	9354	3.0	1.7	23.23				
	192	32	4443	7938	3.5	2.0	19.71				
	225	38	3779	6744	3.9	2.2	16.76				
	241	40	3531	6301	3.6	2.0	15.66				
	282	47	3018	5390	4.1	2.3	13.40				
	332	55	2567	4593	4.5	2.5	11.40				
	370	62	2301	4106	4.2	2.4	10.21				
	402	67	2115	3779	4.6	2.6	9.39				
	428	71	1991	3558	4.9	2.7	8.83				
20.0	15.0	2.6	73729	148255	2.2	1.1	230.64	SK 9086 - R280 Z - 256 TC	2280	27	6.00
	18	3.0	62030	124732	2.3	1.2	194.04				
	30	5.1	37241	74889	4.3	2.1	116.50				
	39	6.5	28931	58171	5.5	2.7	90.50				
	17	2.8	67862	159300	2.3	1.0	230.64	SK 9086 - R300 Z - 256 TC	2340	27	6.00
	20	3.3	57091	144078	2.5	1.0	194.04				
	33	5.5	34276	93429	4.6	1.7	116.50				
	12.0	2.0	94881	103545	1.1	1.0	296.80	SK 9082 - R280 Z - 256 TC	1729	27	6.00
	14.5	2.4	78110	106200	1.4	1.0	244.32				
	24	4.0	47560	95624	2.2	1.1	148.76				
	29	4.8	39152	78721	2.7	1.3	122.46				
	30	5.1	37232	74853	2.8	1.4	116.45				
	37	6.2	30648	61623	3.5	1.7	95.86				
	43	7.1	26497	53277	4.0	2.0	82.88				
	50	8.3	22860	45958	4.6	2.3	71.50				
	57	9.5	19948	40108	5.3	2.6	62.39				
	13.0	2.2	87323	103545	1.2	1.0	296.80	SK 9082 - R300 Z - 256 TC	1788	27	6.00
	16	2.6	71889	106200	1.5	1.0	244.32				
	26	4.3	43772	103545	2.4	1.0	148.76				
	31	5.2	36028	98208	2.9	1.1	122.46				
	33	5.5	34267	93385	3.0	1.1	116.45				
	40	6.7	28205	76880	3.8	1.4	95.86				
	47	7.8	24382	66464	4.4	1.6	82.88				
	54	9.0	21036	57339	5.0	1.9	71.50				
	19	3.1	60534	63720	1.1	1.0	189.35	SK 9062 - R280 Z - 256 TC	1155	27	6.00
	20	3.3	56658	63720	1.1	1.0	177.22				
	25	4.1	46029	63720	1.4	1.0	143.97				
	30	5.1	37347	48675	1.3	1.0	116.83				
	34	5.7	33400	63720	1.9	1.0	104.49				
	41	6.8	27736	55764	2.3	1.1	86.75				
	47	7.8	24161	48587	2.6	1.3	75.58				
	53	8.9	21293	42807	3.0	1.5	66.60				
	64	10.7	17718	35621	3.6	1.8	55.42				
	79	13.1	14390	28940	4.2	2.1	45.02				
	91	15.0	12408	24939	4.6	2.3	38.80				
	106	18	10673	21461	6.0	3.0	33.38				
	128	21	8877	17859	7.2	3.6	27.78				
	20	3.4	55711	63720	1.1	1.0	189.35	SK 9062 - R300 U/Z - 256 TC	1215	27	6.00
	22	3.6	52144	63720	1.2	1.0	177.22				
	27	4.5	42356	63720	1.5	1.0	143.97				
	33	5.5	34373	48675	1.4	1.0	116.83				

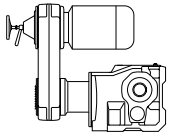
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
20.0	37	6.2	30745	63720	2.1	1.0	104.49	SK 9062 - R300 U - 256 TC	1215	27	6.00
	44	7.4	25523	63720	2.5	1.0	86.75				
	51	8.5	22240	60614	2.9	1.1	75.58				
	58	9.7	19594	53410	3.3	1.2	66.60				
	70	11.6	16302	44445	3.9	1.4	55.42				
	86	14.3	13248	36108	4.5	1.7	45.02				
	99	17	11417	31117	5.0	1.8	38.80				
	116	19	9824	26771	6.5	2.4	33.38				
	139	23	8177	22275	7.8	2.9	27.78				
	40	6.7	28293	37170	1.3	1.0	88.50	SK 9052 - R280 Z - 256 TC	820	27	6.00
	49	8.2	23178	37170	1.6	1.0	72.51				
	57	9.4	20028	37170	1.9	1.0	62.65				
	65	10.8	17505	35205	2.1	1.1	54.77				
	79	13.1	14426	29010	2.6	1.3	45.13				
	91	15.0	12425	24984	2.7	1.3	38.86				
	98	16	11620	23355	3.2	1.6	36.34				
	113	19	10036	20187	3.7	1.8	31.40				
	129	22	8779	17647	4.0	2.0	27.45				
	157	26	7230	14541	4.7	2.3	22.62				
	182	30	6230	12523	5.1	2.5	19.48				
	206	34	5505	11063	5.5	2.7	17.21				
	217	36	5222	10496	4.9	2.4	16.33				
	264	44	4301	8646	5.6	2.8	13.45				
	299	50	3797	7638	5.8	2.9	11.88				
	331	55	3425	6885	6.2	3.1	10.71				
	358	60	3177	6381	6.4	3.2	9.93				
25.0	44	7.3	26037	37170	1.4	1.0	88.50	SK 9052 - R300 U/Z - 256 TC	878	27	6.00
	53	8.9	21337	37170	1.7	1.0	72.51				
	62	10.3	18435	37170	2.0	1.0	62.65				
	70	11.7	16116	37170	2.3	1.0	54.77				
	85	14.2	13275	36197	2.8	1.0	45.13				
	99	17	11434	31161	2.9	1.1	38.86				
	106	18	10691	29143	3.5	1.3	36.34				
	123	20	9239	25178	4.0	1.5	31.40				
	141	23	8080	22010	4.4	1.6	27.45				
	171	28	6655	18143	5.1	1.9	22.62				
	198	33	5735	15620	5.6	2.0	19.48				
	224	37	5062	13806	5.9	2.2	17.21				
	236	39	4806	13098	5.3	2.0	16.33				
	287	48	3956	10788	6.0	2.2	13.45				
	325	54	3496	9531	6.3	2.3	11.88				
	17	2.8	84827	159300	1.9	1.0	230.64	SK 9086 - R300 Z - 284 TC	2390	34	6.00
	20	3.3	71366	144078	2.0	1.0	194.04				
	33	5.5	42843	93429	3.7	1.7	116.50				
	43	7.1	33285	72579	4.8	2.2	90.50				
	49	8.2	28771	62747	5.5	2.5	78.24				
	57	9.5	24824	54135	6.4	2.9	67.50				
25.0	16	2.6	89854	106200	1.2	1.0	244.32	SK 9082 - R300 Z - 284 TC	1839	34	6.00
	26	4.3	54711	103545	1.9	1.0	148.76				
	31	5.2	45038	98208	2.4	1.1	122.46				
	33	5.5	42825	93385	2.4	1.1	116.45				
	40	6.7	35258	76880	3.0	1.4	95.86				
	47	7.8	30479	66464	3.5	1.6	82.88				
	54	9.0	26293	57339	4.0	1.9	71.50				
	93	15.0	15275	33311	7.0	3.2	41.54				
	108	18	13178	28736	8.1	3.7	35.83				
	27	4.5	52950	63720	1.2	1.0	143.97	SK 9062 - R300 U/Z - 284 TC	1266	34	6.00
	33	5.5	42967	48675	1.1	1.0	116.83				
	37	6.2	38427	63720	1.7	1.0	104.49				
	44	7.4	31904	63720	2.0	1.0	86.75				

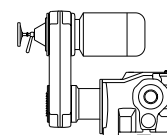
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V) I_N [A]	i_{Regel}
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}					
25.0	51	8.5	27798	60614	2.3	1.1	75.58	SK 9062 - R300 U/Z - 284 TC	1266	34	6.00
	58	9.7	24497	53410	2.6	1.2	66.60				
	70	11.6	20382	44445	3.1	1.4	55.42				
	86	14.3	16558	36108	3.6	1.7	45.02				
	99	17	14266	31117	4.0	1.8	38.80				
	116	19	12275	26771	5.2	2.4	33.38				
	139	23	10213	22275	6.2	2.9	27.78				
	161	27	8806	19196	7.2	3.3	23.94				
	171	28	8301	18098	7.7	3.5	22.57				
	44	7.3	32550	37170	1.1	1.0	88.50	SK 9052 - R300 U/Z - 284 TC	928	34	6.00
	53	8.9	26665	37170	1.4	1.0	72.51				
	62	10.3	23045	37170	1.6	1.0	62.65				
	70	11.7	20143	37170	1.8	1.0	54.77				
	85	14.2	16594	36197	2.2	1.0	45.13				
	99	17	14293	31161	2.4	1.1	38.86				
	106	18	13364	29143	2.8	1.3	36.34				
	123	20	11549	25178	3.2	1.5	31.40				
	141	23	10098	22010	3.5	1.6	27.45				
	171	28	8319	18143	4.0	1.9	22.62				
30.0	198	33	7169	15620	4.4	2.0	19.48	SK 9086 - R300 Z - 286 TC	2412	40	6.00
	224	37	6328	13806	4.8	2.2	17.21				
	236	39	6009	13098	4.3	2.0	16.33				
	287	48	4947	10788	4.8	2.2	13.45				
	325	54	4372	9531	5.1	2.3	11.88				
	17	2.8	101793	159300	1.6	1.0	230.64	SK 9082 - R300 Z - 286 TC	1861	40	6.00
	20	3.3	85641	144078	1.7	1.0	194.04				
	33	5.5	51419	93429	3.1	1.7	116.50				
	43	7.1	39940	72579	4.0	2.2	90.50				
	49	8.2	34533	62747	4.6	2.5	78.24				
	57	9.5	29789	54135	5.3	2.9	67.50				
	26	4.3	65658	103545	1.6	1.0	148.76	SK 9062 - R300 U/Z - 286 TC	1288	40	6.00
	31	5.2	54047	98208	2.0	1.1	122.46				
	33	5.5	51392	93385	2.0	1.1	116.45				
	40	6.7	42303	76880	2.5	1.4	95.86				
	47	7.8	36577	66464	2.9	1.6	82.88				
	54	9.0	31559	57339	3.4	1.9	71.50				
	93	15.0	18337	33311	5.8	3.2	41.54				
	108	18	15815	28736	6.7	3.7	35.83				
	37	6.2	46117	63720	1.4	1.0	104.49	SK 9052 - R300 U/Z - 286 TC	950	40	6.00
	44	7.4	38285	63720	1.7	1.0	86.75				
	51	8.5	33356	60614	1.9	1.1	75.58				
	58	9.7	29391	53410	2.2	1.2	66.60				
	70	11.6	24461	44445	2.6	1.4	55.42				
	86	14.3	19868	36108	3.0	1.7	45.02				
	99	17	17125	31117	3.3	1.8	38.80				
	116	19	14735	26771	4.3	2.4	33.38				
	139	23	12257	22275	5.2	2.9	27.78				
	161	27	10567	19196	6.0	3.3	23.94				
	171	28	9965	18098	6.4	3.5	22.57				
	53	8.9	32002	37170	1.2	1.0	72.51	SK 9052 - R300 U/Z - 286 TC	950	40	6.00
	62	10.3	27647	37170	1.3	1.0	62.65				
	70	11.7	24169	37170	1.5	1.0	54.77				
	85	14.2	19921	36197	1.9	1.0	45.13				
	99	17	17151	31161	2.0	1.1	38.86				
	106	18	16036	29143	2.3	1.3	36.34				
	123	20	13859	25178	2.7	1.5	31.40				
	141	23	12116	22010	2.9	1.6	27.45				
	171	28	9983	18143	3.4	1.9	22.62				
	198	33	8593	15620	3.7	2.0	19.48				

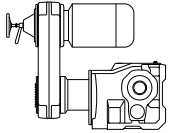
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
30.0	224	37	7593	13806	4.0	2.2	17.21	SK 9052 - R300 U/Z - 286 TC	950	40	6.00
	236	39	7204	13098	3.6	2.0	16.33				
	287	48	5938	10788	4.0	2.2	13.45				
	325	54	5239	9531	4.2	2.3	11.88				
40.0	13.0	2.2	174451	230100	1.3	1.0	297.51	SK 9092 - R350 Z - 200L/4	3828	45	6.00
	15.0	2.5	148592	230100	1.5	1.0	253.40				
	32	5.4	70499	173256	3.3	1.3	120.23				
	38	6.3	59976	147388	3.8	1.6	102.28				
	42	7.0	53711	131998	4.3	1.7	91.60	SK 9086 - R350 Z - 200L/4	2474	45	6.00
	17	2.8	135246	159300	1.2	1.0	230.64				
	20	3.3	113784	144078	1.3	1.0	194.04				
	33	5.5	68313	159300	2.3	1.0	116.50				
	43	7.1	53065	130414	3.0	1.2	90.50				
	49	8.2	45878	112749	3.5	1.4	78.24				
	57	9.6	39577	97270	4.0	1.6	67.50	SK 9082 - R350 Z - 200L/4	1923	45	6.00
	26	4.3	87226	103545	1.2	1.0	148.76				
	32	5.3	71809	106200	1.5	1.0	122.46				
	33	5.5	68287	103545	1.5	1.0	116.45				
	40	6.7	56206	106200	1.9	1.0	95.86				
	47	7.8	48595	106200	2.2	1.0	82.88				
	54	9.0	41922	103032	2.5	1.0	71.50				
	93	16	24355	59861	4.4	1.8	41.54				
	108	18	21010	51631	5.1	2.1	35.83	SK 9062 - R350 Z - 200L/4	1349	45	6.00
	45	7.4	50870	63720	1.3	1.0	86.75				
	51	8.5	44321	63720	1.4	1.0	75.58				
	58	9.7	39055	63720	1.6	1.0	66.60				
	70	11.6	32497	63720	2.0	1.0	55.42				
	86	14.3	26400	60180	2.3	1.0	45.02				
	100	17	22753	55914	2.5	1.0	38.80				
	116	19	19576	48100	3.3	1.3	33.38				
	139	23	16293	40029	3.9	1.6	27.78				
	162	27	14036	34497	4.5	1.8	23.94				
	172	29	13231	32524	4.8	2.0	22.57				
	199	33	11408	28028	5.6	2.3	19.45				
50.0	251	42	9045	22231	5.2	2.1	15.43	SK 9052 - R350 U/Z - 200L/4	1012	45	6.00
	291	49	7797	19151	5.7	2.3	13.29				
	71	11.8	32117	37170	1.2	1.0	54.77				
	86	14.3	26462	37170	1.4	1.0	45.13				
	100	17	22789	33630	1.5	1.0	38.86				
	107	18	21311	37170	1.7	1.0	36.34				
	123	21	18408	37170	2.0	1.0	31.40				
	141	24	16098	35400	2.2	1.0	27.45				
	171	29	13266	32595	2.5	1.0	22.62				
	199	33	11425	28072	2.8	1.1	19.48				
	225	37	10089	24798	3.0	1.2	17.21				
	237	40	9576	23532	2.7	1.1	16.33				
	288	48	7885	19382	3.0	1.2	13.45				
	326	54	6965	17116	3.2	1.3	11.88				
50.0	26	5.1	110191	230100	2.1	1.0	120.23	SK 9092 - R375 Z - 225S/4	4115	62	5.00
	30	6.1	93739	223392	2.5	1.0	102.28				
	34	6.8	83951	200063	2.7	1.2	91.60				
	39	7.7	73322	174726	3.1	1.3	80.00				
	45	9.0	63118	150423	3.6	1.5	68.87				
	53	10.6	53764	128121	3.8	1.6	58.66				

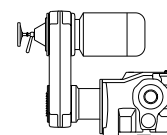
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
50.0	79	16	35834	85403	6.4	2.7	39.10	SK 9092 - R375 Z - 225S/4	4115	62	5.00
	91	18	31302	74588	7.4	3.1	34.15				
	34	6.8	82942	159300	1.9	1.0	90.50	SK 9086 - R375 Z - 225S/4	2858	62	5.00
	40	7.9	71712	159300	2.2	1.0	78.24				
	46	9.2	61862	147432	2.6	1.1	67.50				
	53	10.5	53985	128644	3.0	1.2	58.90				
	62	12.3	46100	109864	3.5	1.4	50.30				
	105	21	27054	64472	5.9	2.5	29.52				
	123	25	23107	55065	6.9	2.9	25.21				
	32	6.5	87854	106200	1.2	1.0	95.86	SK 9082 - R375 U/Z - 225S/4	2306	62	5.00
	37	7.5	75960	106200	1.4	1.0	82.88				
	43	8.7	65534	106200	1.6	1.0	71.50				
	50	9.9	57180	106200	1.9	1.0	62.39				
	58	11.6	48834	106200	2.2	1.0	53.28				
	75	14.9	38073	90730	2.8	1.2	41.54				
	86	17	32842	78261	3.2	1.4	35.83				
	99	20	28656	68295	3.7	1.6	31.27				
	116	23	24479	58339	4.3	1.8	26.71				
	157	31	18081	43091	4.7	2.0	19.73				
	180	36	15780	37613	5.2	2.2	17.22				
	211	42	13470	32108	5.8	2.4	14.70				
	56	11.2	50790	63720	1.3	1.0	55.42	SK 9062 - R375 U/Z - 225S/4	1733	62	5.00
	69	13.8	41259	60180	1.5	1.0	45.02				
	80	16	35559	56640	1.6	1.0	38.80				
	93	19	30594	63720	2.1	1.0	33.38				
	111	22	25461	60676	2.5	1.1	27.78				
	129	26	21939	52286	2.9	1.2	23.94				
	137	27	20682	49295	3.1	1.3	22.57				
	159	32	17824	42480	3.6	1.5	19.45				
	201	40	14142	33701	3.3	1.4	15.43				
	233	47	12178	29028	3.6	1.5	13.29				
	262	52	10841	25842	3.9	1.6	11.83				
	272	54	10452	24895	4.1	1.7	11.40				
	285	57	9947	23700	4.3	1.8	10.85				
	321	64	8823	21036	4.5	1.9	9.63				
60.0	26	5.1	132228	230100	1.7	1.0	120.23	SK 9092 - R375 Z - 225M/4	4187	71	5.00
	30	6.1	112492	223392	2.0	1.0	102.28				
	34	6.8	100740	200063	2.3	1.2	91.60				
	39	7.7	87987	174726	2.6	1.3	80.00				
	45	9.0	75747	150423	3.0	1.5	68.87				
	53	10.6	64517	128121	3.2	1.6	58.66				
	79	16	43002	85403	5.4	2.7	39.10				
	91	18	37559	74588	6.1	3.1	34.15				
	34	6.8	99536	159300	1.6	1.0	90.50	SK 9086 - R375 Z - 225M/4	2930	71	5.00
	40	7.9	86049	159300	1.9	1.0	78.24				
	46	9.2	74234	147432	2.1	1.1	67.50				
	53	10.5	64782	128644	2.5	1.2	58.90				
	62	12.3	55321	109864	2.9	1.4	50.30				
	105	21	32471	64472	4.9	2.5	29.52				
	123	25	27727	55065	5.7	2.9	25.21				
	37	7.5	91155	106200	1.2	1.0	82.88	SK 9082 - R375 U/Z - 225M/4	2379	71	5.00
	43	8.7	78641	106200	1.4	1.0	71.50				
	50	9.9	68614	106200	1.5	1.0	62.39				
	58	11.6	58596	106200	1.8	1.0	53.28				
	75	14.9	45684	90730	2.3	1.2	41.54				
	86	17	39409	78261	2.7	1.4	35.83				
	99	20	34391	68295	3.1	1.6	31.27				

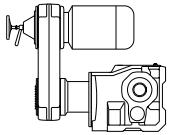
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
60.0	116	23	29373	58339	3.6	1.8	26.71	SK 9082 - R375 U/Z - 225M/4	2379	71	5.00
	157	31	21700	43091	3.9	2.0	19.73				
	180	36	18939	37613	4.3	2.2	17.22				
	211	42	16169	32108	4.8	2.4	14.70				
75.0	69	13.8	49516	60180	1.2	1.0	45.02	SK 9062 - R375 U/Z - 225M/4	1806	71	5.00
	80	16	42675	56640	1.3	1.0	38.80				
	93	19	36710	63720	1.7	1.0	33.38				
	111	22	30550	60676	2.1	1.1	27.78				
	129	26	26329	52286	2.4	1.2	23.94				
	137	27	24824	49295	2.6	1.3	22.57				
	159	32	21390	42480	3.0	1.5	19.45				
	201	40	16974	33701	2.8	1.4	15.43				
	233	47	14620	29028	3.0	1.5	13.29				
	262	52	13010	25842	3.3	1.6	11.83				
	272	54	12540	24895	3.4	1.7	11.40				
	285	57	11930	23700	3.6	1.8	10.85				
	321	64	10593	21036	3.8	1.9	9.63				
75.0	26	5.1	165486	230100	1.4	1.0	120.23	SK 9092 - R400 Z - 250M/4	4593	85	5.00
	30	6.0	140777	230100	1.6	1.0	102.28				
	34	6.8	126077	230100	1.8	1.0	91.60				
	39	7.7	110112	202276	2.1	1.1	80.00				
	45	9.0	94792	174133	2.4	1.3	68.87				
	53	10.5	80739	148317	2.5	1.4	58.66				
	79	16	53817	98863	4.3	2.3	39.10				
	91	18	47002	86349	4.9	2.7	34.15				
	34	6.8	124564	159300	1.3	1.0	90.50	SK 9086 - R400 Z - 250M/4	3336	85	5.00
	40	7.9	107687	159300	1.5	1.0	78.24				
	46	9.2	92907	159300	1.7	1.0	67.50				
	52	10.5	81075	148928	2.0	1.1	58.90				
	61	12.3	69234	127183	2.3	1.3	50.30				
	105	21	40630	74641	3.9	2.1	29.52				
	123	25	34701	63738	4.6	2.5	25.21				
	210	42	20231	37170	5.5	3.0	14.70				
	43	8.6	98412	106200	1.1	1.0	71.50	SK 9082 - R400 U/Z - 250M/4	2785	85	5.00
	50	9.9	85872	106200	1.2	1.0	62.39				
	58	11.6	73331	106200	1.4	1.0	53.28				
	74	14.9	57180	105032	1.9	1.0	41.54				
	86	17	49321	90597	2.2	1.2	35.83				
	99	20	43038	79066	2.5	1.3	31.27				
	116	23	36763	67534	2.9	1.6	26.71				
	157	31	27161	49887	3.1	1.7	19.73				
	180	36	23700	43542	3.4	1.9	17.22				
	210	42	20231	37170	3.8	2.1	14.70				
75.0	80	16	53401	56640	1.1	1.0	38.80	SK 9062 - R400 U/Z - 250M/4	2212	85	5.00
	93	19	45940	63720	1.4	1.0	33.38				
	111	22	38241	63720	1.7	1.0	27.78				
	129	26	32949	60534	1.9	1.1	23.94				
	137	27	31064	57065	2.1	1.1	22.57				
	159	32	26771	49179	2.4	1.3	19.45				
	200	40	21240	39011	2.2	1.2	15.43				
	233	47	18293	33603	2.4	1.3	13.29				
	261	52	16284	29913	2.6	1.4	11.83				
	271	54	15691	28824	2.7	1.5	11.40				
	285	57	14930	27435	2.8	1.5	10.85				
	321	64	13257	24346	3.0	1.6	9.63				
100.0	26	6.5	217338	230100	1.1	1.0	91.60	SK 9092 - R500 U/Z - 280S/4	5662	111	4.00
	30	7.5	189815	230100	1.2	1.0	80.00				

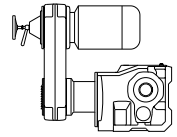
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output Torque		Service factor		Red.ratio i_{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n_{21} [rpm]	Low n_{22} [rpm]	High T_{a1} [LB-IN.]	Low T_{a2} [LB-IN.]	High f_{B1}	Low f_{B2}				I_N [A]	i_{Regel}
100.0	35	8.7	163406	230100	1.4	1.0	68.87	SK 9092 - R500 U/Z - 280S/4	5662	111	4.00
	41	10.2	139184	203550	1.5	1.0	58.66				
	48	12.0	118041	197355	1.7	1.0	49.75				
	59	14.7	96447	185850	1.9	1.0	40.65				
	61	15.0	92775	222188	2.5	1.0	39.10				
	70	18	81031	194063	2.8	1.2	34.15				
	82	20	69473	166389	3.3	1.4	29.28				
	96	24	59180	141724	3.9	1.6	24.94				
	117	29	48356	115811	4.3	1.8	20.38				
	139	35	40949	98085	3.7	1.6	17.26				
	170	42	33453	80128	4.3	1.8	14.10				
	41	10.2	139750	159300	1.1	1.0	58.90	SK 9086 - R500 U/Z - 280S/4	4406	111	4.00
	48	11.9	119351	159300	1.3	1.0	50.30				
	57	14.2	99961	159300	1.6	1.0	42.13				
	67	17	84093	141600	1.7	1.0	35.44				
	81	20	70039	159300	2.3	1.0	29.52				
	95	24	59817	143264	2.7	1.1	25.21				
	113	28	50109	120015	3.2	1.3	21.12				
	135	34	42161	100979	3.6	1.5	17.77				
	163	41	34878	83535	3.2	1.3	14.70				
	194	49	29205	69950	3.6	1.5	12.31				
	67	17	85013	106200	1.2	1.0	35.83	SK 9082 - R500 U/Z - 280S/4	3854	111	4.00
	76	19	74198	106200	1.4	1.0	31.27				
	90	22	63375	106200	1.7	1.0	26.71				
	107	27	53073	106200	2.0	1.0	22.37				
	121	30	46817	84075	1.8	1.0	19.73				
	139	35	40860	81420	2.0	1.0	17.22				
	163	41	34878	77880	2.2	1.0	14.70				
	194	49	29205	69950	2.5	1.1	12.31				
125.0	35	8.7	203683	230100	1.1	1.0	68.87	SK 9092 - R500 U/Z - 280M/4	5773	145	4.00
	41	10.2	173487	203550	1.2	1.0	58.66				
	48	12.1	147140	197355	1.3	1.0	49.75				
	59	14.7	120227	185850	1.5	1.0	40.65				
	61	15.0	115643	221569	2.0	1.0	39.10				
	70	18	100996	193514	2.3	1.2	34.15				
	82	20	86597	165920	2.7	1.4	29.28				
	96	24	73765	141326	3.1	1.6	24.94				
	118	29	60277	115484	3.5	1.8	20.38				
	139	35	51047	97810	3.0	1.6	17.26				
	170	43	41701	79898	3.5	1.8	14.10				
	48	11.9	148769	159300	1.1	1.0	50.30	SK 9086 - R500 U/Z - 280M/4	4516	145	4.00
	57	14.2	124599	159300	1.3	1.0	42.13				
	68	17	104819	141600	1.4	1.0	35.44				
	81	20	87305	159300	1.8	1.0	29.52				
	95	24	74561	142857	2.1	1.1	25.21				
	114	28	62463	119679	2.6	1.3	21.12				
	135	34	52551	100695	2.9	1.5	17.77				
	163	41	43480	83296	2.5	1.3	14.70				
	195	49	36409	69756	2.9	1.5	12.31				
	77	19	92483	106200	1.1	1.0	31.27	SK 9082 - R500 U/Z - 280M/4	3965	145	4.00
	90	22	78995	106200	1.3	1.0	26.71				
	107	27	66163	106200	1.6	1.0	22.37				
	122	30	58348	84075	1.4	1.0	19.73				
	139	35	50932	81420	1.6	1.0	17.22				
	163	41	43480	77880	1.8	1.0	14.70				
	195	49	36409	69756	2.0	1.1	12.31				
150.0	48	12.1	176566	197355	1.1	1.0	49.75	SK 9092 - R500 U/Z - 315S/4	6148	173	4.00
	59	14.7	144273	185850	1.3	1.0	40.65				

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



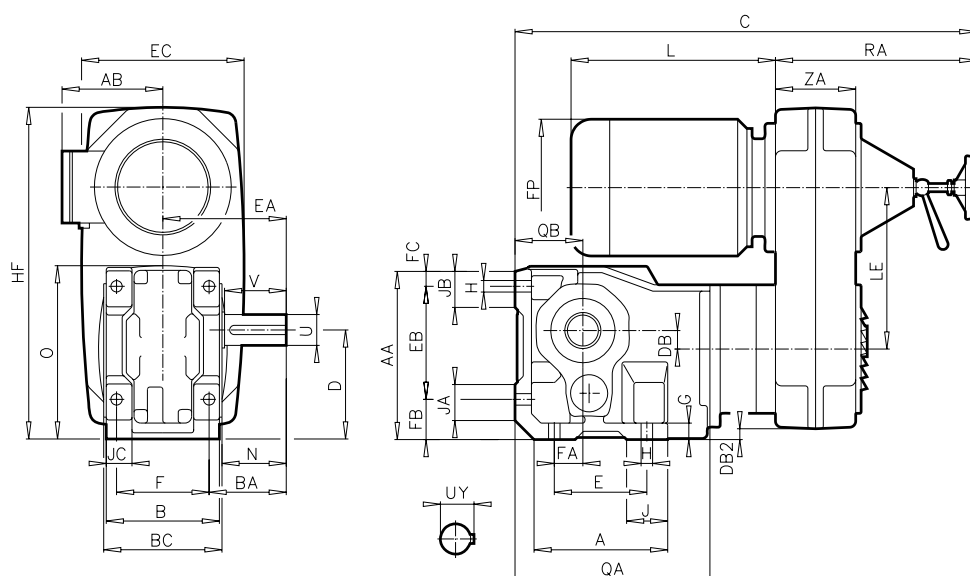
TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}			I _N [A]	i _{Regel}
150.0	61	15.0	138768	221569	1.7	1.0	39.10	SK 9092 - R500 U/Z - 315S/4	6148	173	4.00
	70	18	121201	193514	1.9	1.2	34.15				
	82	20	103917	165920	2.2	1.4	29.28				
	96	24	88518	141326	2.6	1.6	24.94				
	118	29	72331	115484	2.9	1.8	20.38				
	139	35	61260	97810	2.5	1.6	17.26				
	170	43	50038	79898	2.9	1.8	14.10				
	57	14.2	149521	159300	1.1	1.0	42.13	SK 9086 - R500 U/Z - 315S/4	4891	173	4.00
	68	17	125776	141600	1.1	1.0	35.44				
	81	20	104766	159300	1.5	1.0	29.52				
	95	24	89474	142857	1.8	1.1	25.21				
	114	28	74960	119679	2.1	1.3	21.12				
	135	34	63065	100695	2.4	1.5	17.77				
	163	41	52171	83296	2.1	1.3	14.70				
	195	49	43692	69756	2.4	1.5	12.31				
	90	22	94792	106200	1.1	1.0	26.71	SK 9082 - R500 U/Z - 315S/4	4339	173	4.00
	107	27	79393	106200	1.3	1.0	22.37				
	122	30	70021	84075	1.2	1.0	19.73				
	139	35	61118	81420	1.3	1.0	17.22				
	163	41	52171	77880	1.5	1.0	14.70				
	195	49	43692	69756	1.7	1.1	12.31				

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



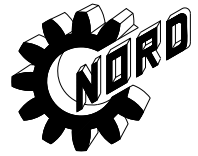
U - DESIGN, FOOT MOUNTED, TRIPLE REDUCTION



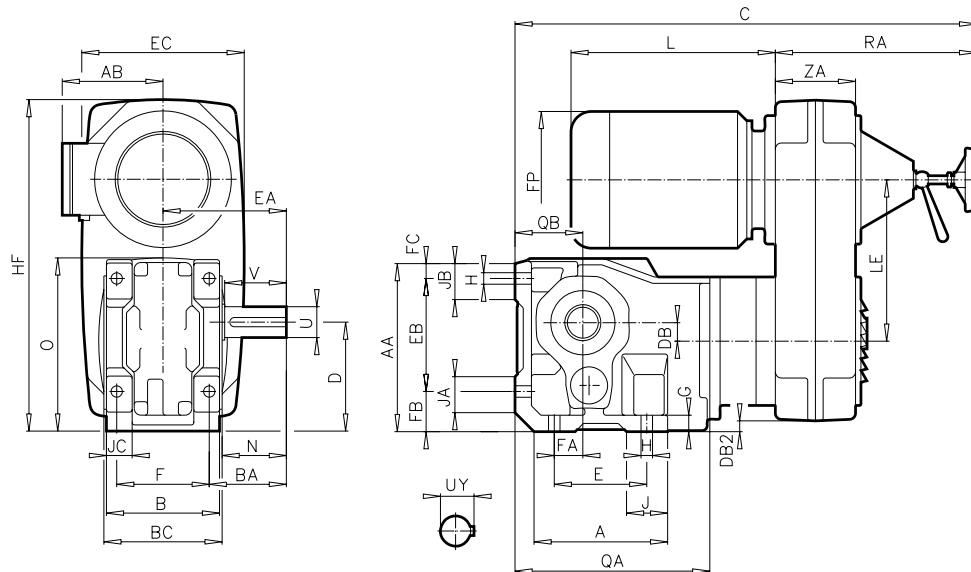
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	A AA B	BA BC D	DB E EA	EB F FA	FB FC G	H J JA	JB JC N	O QA QB	C	DB2	HF LE	RA ZA	AB	FP	L	U	UY	V
SK 9012 - R 150 U - 145 TC	6.77	2.95	0.39	5.12	1.46	0.43	1.38	7.64	24.53	0.08	16.69	10.43	5.30	7.20	11.30	1.250	1.36	2.36
	6.50	5.59	5.12	4.72	0.59	1.77	1.10	9.37										
	5.51	4.41	5.32	1.38	0.63	1.58	2.52	2.80										
SK 9022 - R 150 U - 145 TC	7.48	3.58	0.55	5.12	1.97	0.55	2.28	9.29	26.57	1.02	17.64	10.43	5.30	7.20	11.30	1.375	1.51	2.76
	7.40	6.77	4.72	5.51	1.18	2.36	1.50	11.42										
	6.54	5.51	6.34	1.18	0.95	1.97	2.95	3.94										
SK 9032 - R 196 U - 182 TC - 184 TC	9.06	4.47	0.94	7.48	2.56	0.71	2.36	11.61	29.65	1.43	21.02	12.60	5.90	8.50	12.30	1.750	1.92	3.54
	9.57	7.99	7.68	6.50	0.79	2.76	1.77	12.56										
	7.68	7.09	7.72	1.57	0.99	2.36	3.78	4.41										
SK 9052 - R 300 U - 256 TC - 284 TC - 286 TC - R 350 U - 200 L	12.99	6.73	1.61	11.02	3.35	1.02	3.54	16.73	42.56	0.67	33.78	19.53	9.70	13.30	20.00	2.875	3.20	5.51
	14.17	11.53	9.45	9.45	1.38	3.94	2.76	18.11										
	11.22	10.43	11.46	2.95	1.50	3.94	5.75	6.30										
SK 9062 - R 300 U - 256 TC - R 375 U - 225 S - 225 M - R 400 U - 250 M	15.35	8.35	2.00	12.20	4.13	1.30	4.33	19.69	47.87	2.25	35.37	19.53	9.70	13.30	20.00	3.625	4.01	6.69
	16.53	13.78	11.02	10.63	2.17	4.33	2.76	21.65										
	12.99	12.40	13.66	3.74	1.65	4.33	6.97	7.87										
SK 9082 - R 375 U - 225 S - 225 M - R 400 U - 250 M - R 500 U - 280 S - 280 M - 315 S	19.68	9.96	2.05	15.75	4.33	1.54	4.72	24.13	59.49	2.87	43.27	22.44	12.05	15.67	27.09	4.375	4.82	8.27
	20.47	17.72	13.78	12.99	2.36	5.91	3.46	27.76										
	15.55	14.76	16.46	4.53	1.77	4.72	8.58	8.86										

Technical design may be subject to change. DXF files available upon request.

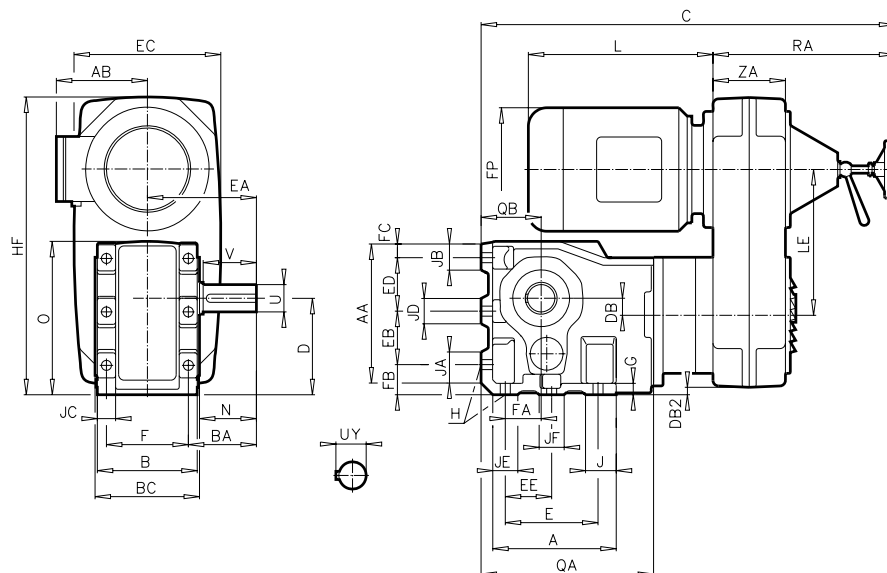
VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



U -DESIGN, FOOT MOUNTED, TRIPLE REDUCTION



Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	A AA B	BA BC D	DB E EA	EB F FA	FB FC G	H J JA	JB JC N	O QA QB	C	DB2	HF LE	RA ZA	AB	FP	L	U	UY	V
SK 9086	20.47	9.72	3.50	18.90	4.72	1.54	5.51	27.95								4.750	5.30	8.27
- R 500 U - 280 S	24.41	19.69	14.96	16.54	2.56	5.91	3.94	28.78	63.66	1.03	62.60	25.24	17.91	21.65	34.06			
- 280 M	19.68	17.72	17.99	5.51	1.97	5.91	8.62	9.84		19.69	35.20	11.81	17.91	21.65	34.06			
- 315 S													20.28	24.41	38.19			1-1/4x1-1/4x6-1/4



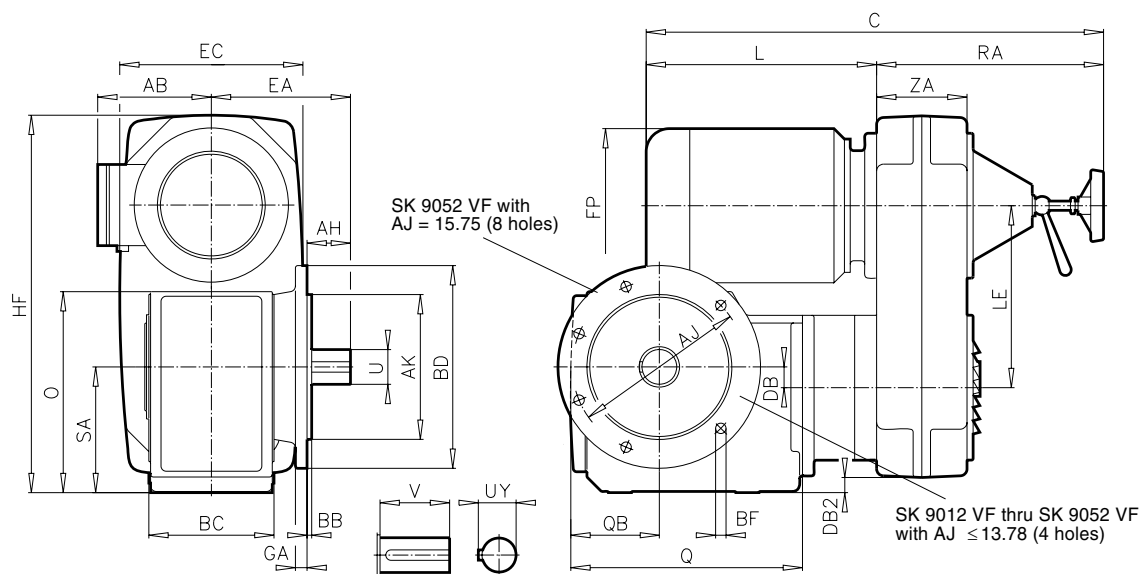
Type	Gear reducer dimensions										Outline dimensions			Motor dimensions			Shaft dimensions		
	A	BA	DB	EB	F	FC	J	JC	JF	QA	C	EC	RA	AB	FP	L	U	UY	V
	AA	BC	E	EC	FA	G	JA	JD	N	DB2	HF	ZA	Key						
	B	D	EA	ED	FB	H	JB	JE	O		QB			LE					
SK 9092	26.38	12.40	3.94	10.63	18.90	2.76	5.12	3.74	5.51	35.20							5.500	6.06	9.84
- R 500 U	25.98	23.23	21.26	10.63	7.87	1.97	3.94	3.94	10.24		70.08	19.69	25.24	17.91	21.65	34.06	1-1/4x1-1/4x5-3/4		
- 280 S	22.44	19.69	21.85	10.63	4.53	1.30	4.72	3.94	32.09	12.40	2.56	64.13	11.81	17.91	21.65	34.06			
- 280 M												35.20		20.28	24.41	38.19			
- 315 S																			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



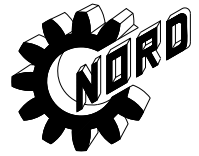
U -DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



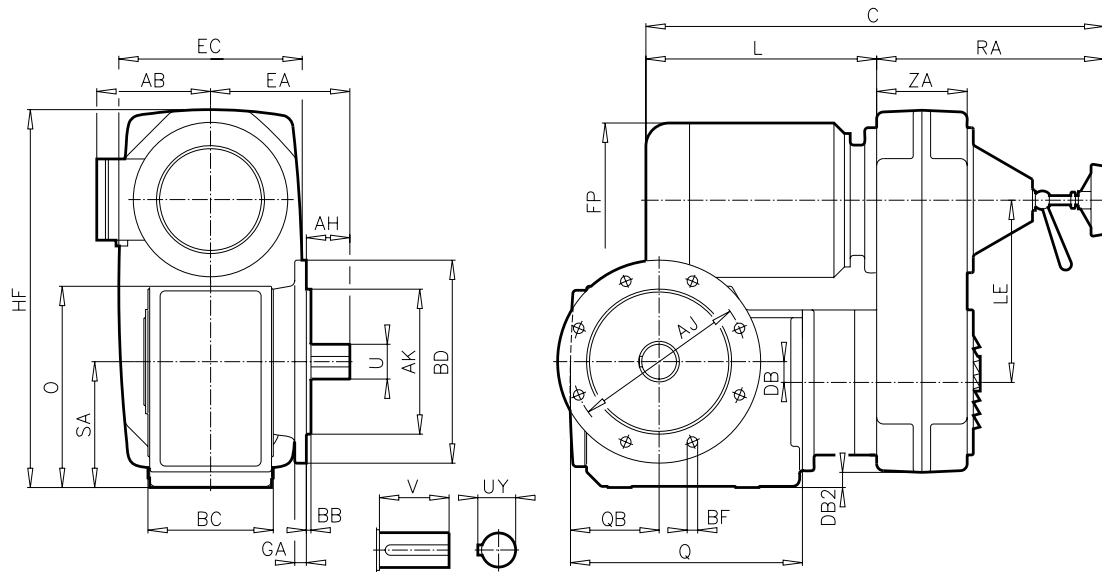
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	BC	EA	Q	SA		EC	LE	ZA				Key		
SK 9012 VF	6.50	0.14	0.43	0.87	0.39	7.76	3.23	24.96 8.19	0.08 8.19	16.69 8.74	10.43 4.17	5.30	7.20	11.30	1.250	1.36	2.36
- R 150 U - 145 TC	5.118	7.87	0.47	5.67	5.32	9.80	4.41								1/4 x 1/4 x 2		
SK 9022 VF	8.47	0.16	0.55	1.06	0.55	9.57	4.02	26.65 8.19	1.14 8.19	17.64 8.74	10.43 4.17	5.30	7.20	11.30	1.375	1.51	2.76
- R 150 U - 145 TC	7.087	9.84	0.63	6.46	6.34	11.50	5.63								5/16 x 5/16 x 2-1/4		
SK 9032 VF	8.47	0.16	0.55	1.81	0.94	11.81	4.96	30.20 9.84	1.43 9.84	21.02 10.16	12.60 5.04	5.90 5.90	8.50 8.50	12.30 14.00	1.750	1.92	3.54
- R 196 U - 182 TC	7.087	9.84	0.63	7.87	7.72	13.11	7.09								3/8 x 3/8 x 2-3/4		
- 184 TC	10.43	0.16	0.55														
	9.055	11.81	0.79														
SK 9052 VF	13.78	0.20	0.71	3.50	1.61	16.81	7.28	43.54 16.30	0.56 16.30	33.78 16.81	19.53 8.27	9.70 12.70	13.30 15.20	20.00 20.30	2.875	3.20	5.51
- R 300 U - 256 TC	11.811	15.75	0.79	11.42	11.42	19.09	10.32								3/4 x 3/4 x 3-1/2		
- 284 TC	or																
- 286 TC	15.75	0.20	8x0.71														
- R 350 U - 200 L	13.780	17.72	0.87					43.54 16.30	0.56 16.30	33.78 16.81	19.53 8.27	12.05	15.35	27.09			
SK 9062 VF	15.75	0.20	0.71	4.65	2.00	20.00	8.58	48.58 16.30	2.25 16.30	35.37 16.81	19.53 8.27	9.70	13.30	20.00	3.625	4.01	6.69
- R 300 U - 256 TC	13.780	17.72	0.87	13.78	13.58	22.36	12.40								7/8 x 7/8 x 4-5/8		
- R 375 U - 225 S																	
- 225 M																	
- R 400 U - 250 M																	
				19.69	19.69	20.71	9.45	54.72 19.69	0.56 19.69	40.96 20.71	22.44 9.45	12.05 12.05	15.67 15.67	27.09 27.09			
SK 9082 VF	19.69	0.20	0.71	6.42	2.05	24.33	9.45	60.08 19.69	2.87 19.69	43.27 20.71	22.44 9.45	12.05 12.05	15.67 15.67	27.09 27.09	4.375	4.82	8.27
- R 375 U - 225 S	17.717	21.65	1.10	17.72	16.54	28.35	14.76								1 x 1 x 5-3/4		
- 225 M																	
- R 400 U - 250 M																	
- R 500 U - 280 S								63.23	-0.48	61.10	25.24	17.91	21.65	34.06			
- 280 M				19.69	19.69	35.20	11.81	17.91	21.65	34.06							
- 315 S								20.28	24.41	38.19							

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



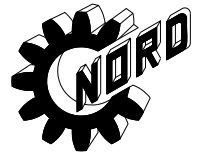
U -DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



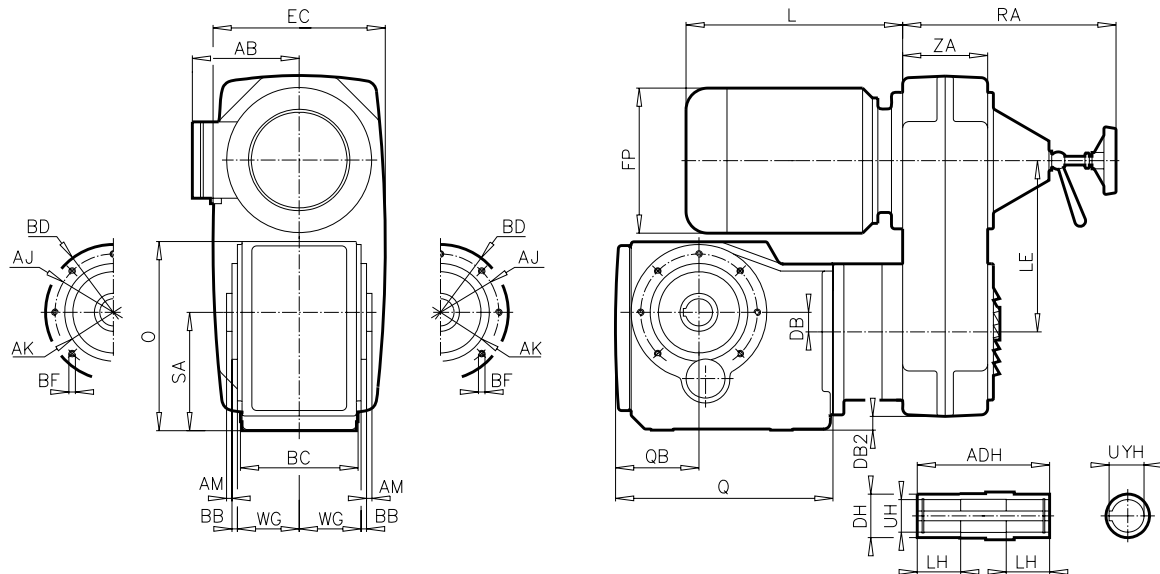
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	BC	EA	Q	SA	EC	LE	ZA					Key		
SK 9086 VF	23.62	0.24	0.87	5.71	3.50	28.34	10.43	64.25	1.03	62.60	25.24				4.750	5.30	8.27
- R 500 U - 280 S	21.654	25.98	1.26	19.13	18.11	29.37	17.72		19.69	35.20	11.81	17.91	21.65	34.06	1-1/4x1-1/4x6-1/4		
- 280 M												17.91	21.65	34.06			
- 315 S												20.28	24.41	38.19			
SK 9092 VF	23.62	0.24	0.87	7.36	3.94	32.09	12.20	69.88	2.56	64.13	25.24				5.500	6.06	9.84
- R 500 U - 280 S	21.654	25.98	1.26	23.23	21.85	35.00	19.68		19.69	35.20	11.81	17.91	21.65	34.06	1-1/4x1-1/4x5-3/4		
- 280 M												17.91	21.65	34.06			
- 315 S												20.28	24.41	38.19			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



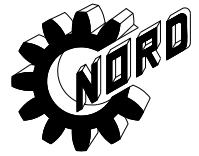
U - DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



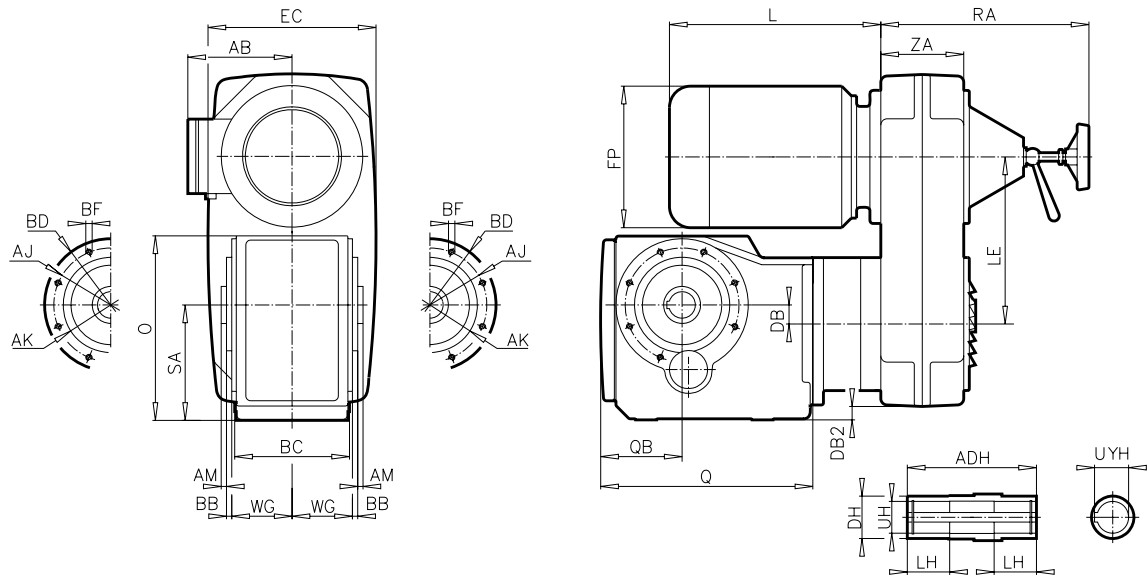
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	DB	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LH	UYH
	AK	BD		BC	O	QB	WG	EC	EC	LE	ZA				DH	UH	
SK 9012 AZ	4.53	0.12	7xM8	0.12	0.39	9.80	4.41	24.96	0.08	16.69	10.43	5.30	7.20	11.30	5.83	1.97	1.52
- R 150 U - 145 TC	3.740	5.51		5.67	7.76	3.23	2.68	8.19	8.19	8.74	4.17				1.97	1.375	5/16 x 5/16 x 4-1/4
SK 9022 AZ	5.12	0.16	7xM8	0.16	0.55	11.50	5.63	26.65	1.14	17.64	10.43	5.30	7.20	11.30	7.09	2.36	1.67
- R 150 U - 145 TC	4.331	6.30		6.46	9.57	4.02	3.23	8.19	8.19	8.74	4.17				2.17	1.500	3/8 x 3/8 x 5
SK 9032 AZ	6.50	0.12	7xM10	0.20	0.94	13.11	7.09	30.20	1.43	21.02	12.60	5.90	8.50	12.30	8.27	2.76	2.22
- R 196 U - 182 TC	5.118	7.87		7.87	11.81	4.96	3.82	9.84	9.84	10.16	5.04	5.90	8.50	14.00	2.76	2.000	1/2 x 1/2 x 5-1/2
- 184 TC																	
SK 9052 AZ	10.43	0.16	7xM12	0.20	1.61	19.09	10.31	43.54	0.56	33.78	19.53	9.70	13.30	20.00	11.81	3.94	3.04
- R 300 U - 256 TC	9.055	11.81		11.42	16.81	7.28	5.55	16.30	16.30	16.81	8.27	12.70	15.20	20.30	3.94	2.750	
- 284 TC												12.70	15.20	21.80			
- 286 TC																	
- R 350 U - 200 L								43.54	0.56	33.78	19.53	12.05	15.35	27.09			5/8 x 5/8 x 8
								16.30	16.30	16.81	8.27						

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



U-DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



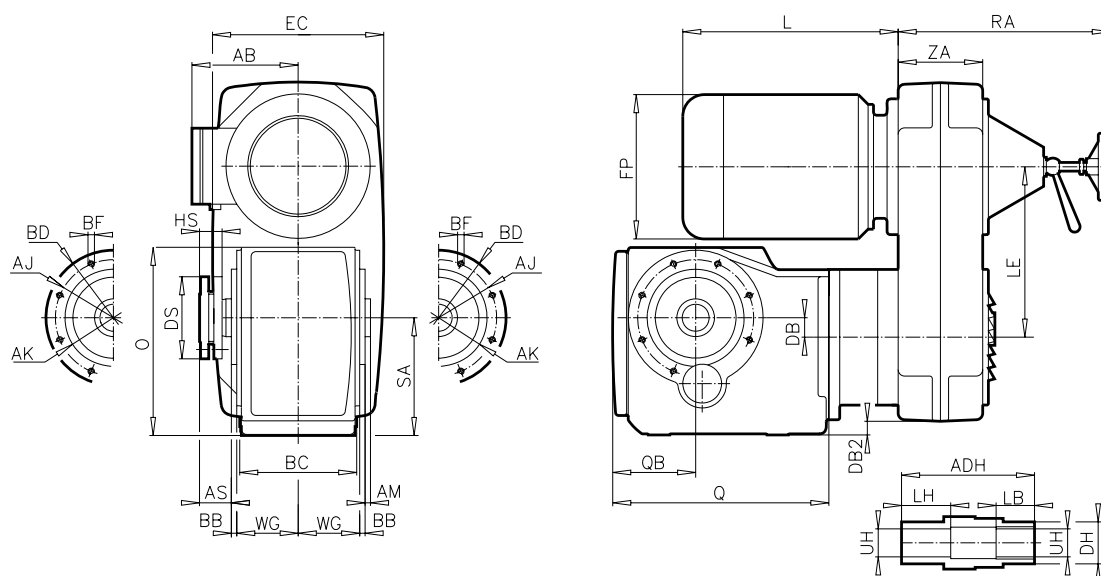
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	DB	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LH	UYH
	AK	BD		BC	O	QB	WG	EC	LE	ZA					DH	UH	
SK 9062 AZ	11.81	0.20	7xM16	0.20	2.00	22.36	12.40	48.58	2.25	35.37	19.53	9.70	13.30	20.00	13.78	4.72	3.58
- R 300 U - 256 TC	9.843	13.78		13.78	20.00	8.58	6.50	16.30	16.81	8.27					4.33	3.250	
- R 375 U - 225 S								54.72	0.56	40.96	22.44	12.05	15.67	27.09	3/4 x 3/4 x 9		
- 225 M								19.69	20.71	9.45		12.05	15.67	27.09			
- R 400 U - 250 M								54.72	0.56	40.96	22.44	16.93	17.44	31.10			
								19.69	20.71	9.45							
SK 9082 AZ	13.78	0.28	7xM16	0.32	2.05	28.35	14.76	60.08	2.87	43.27	22.44	12.05	15.67	27.09	16.54	5.51	4.44
- R 375 U - 225 S	11.811	15.75		17.72	24.33	9.45	7.68	19.69	20.71	9.45		12.05	15.67	27.09	5.51	4.000	
- 225 M								60.08	2.87	43.27	22.44	16.93	17.44	31.10	1 x 1 x 14-1/2		
- R 400 U - 250 M								19.69	20.71	9.45							
- R 500 U - 280 S								63.23	-0.48	61.10	25.24	17.91	21.65	34.06			
- 280 M								19.69	35.20	11.81		17.91	21.65	34.06			
- 315 S								20.28	24.41	38.19		20.28	24.41	38.19			
SK 9086 AZ	15.75	0.28	7xM20	0.32	3.50	29.37	17.72	64.25	1.03	62.60	25.24				19.69	6.30	5.30
- R 500 U - 280 S	13.780	17.72		19.13	28.35	10.43	9.25	19.69	35.20	11.81		17.91	21.65	34.06	6.30	4.750	
- 280 M												17.91	21.65	34.06			
- 315 S								20.28	24.41	38.19		20.28	24.41	38.19	1-1/4 x 1-1/4 x 12		

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



U - DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



Type	Gear reducer dimensions										Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	BC	DS	O	Q	SA		C	DB2	HF	RA				ADH	LB	LH
	AK	BD		AS	DB	HS		QB	WG			EC	LE	ZA	AB	FP	L	UH	UF	
SK 9092 AZ - R 500 U - 280 S - 280 M - 315 S	15.75	0.28	7xM20	0.40	23.23	12.99	32.09	35.00	19.68	69.88	2.56	64.13	25.24		17.91	21.65	34.06	27.95	3.94	3.39
	13.780	17.72		4.33	3.94	3.39		12.20	11.34		19.69	35.20	11.81		17.91	21.65	34.06	5.500	7.87	
															20.28	24.41	38.19			
																		Shrink disc		

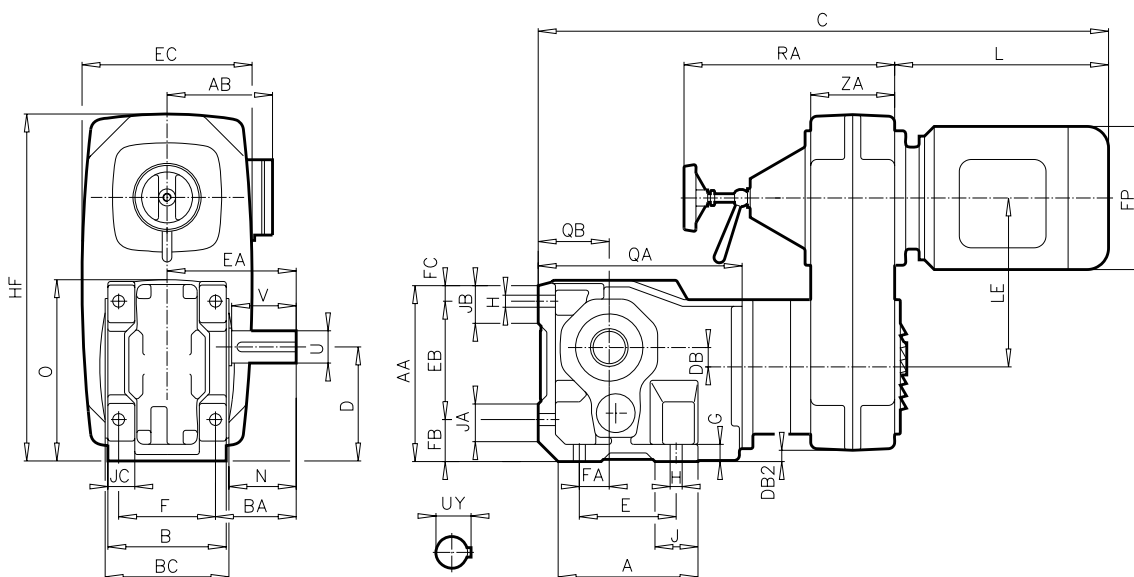
Technical design may be subject to change. DXF files available upon request.

NOTES

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, FOOT MOUNTED, TRIPLE REDUCTION



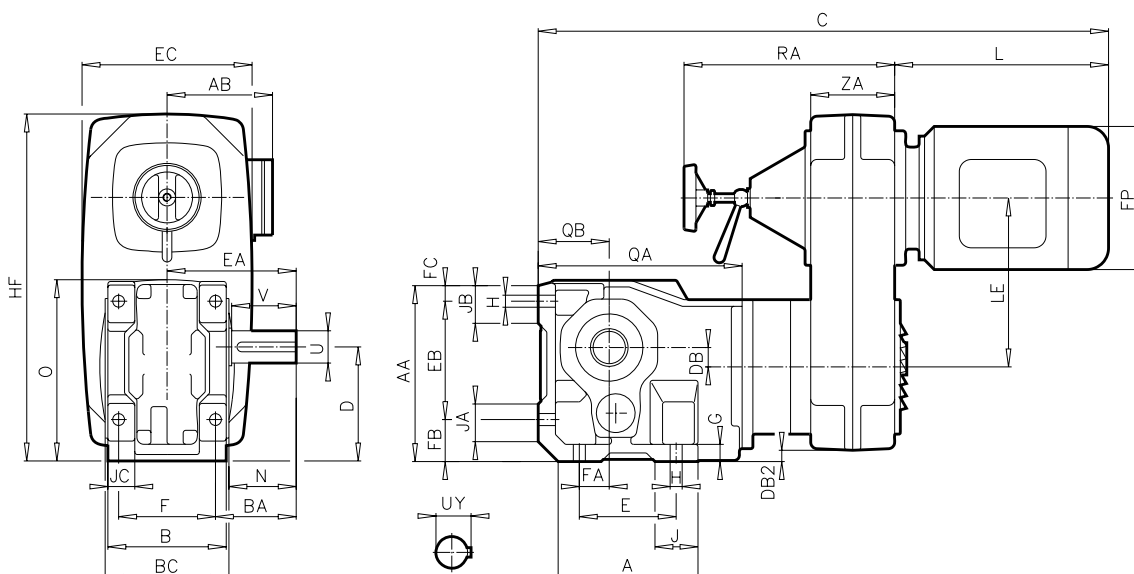
Type	Gear reducer dimensions									Outline dimensions				Motor dimensions			Shaft dimensions
	A AA B	BA BC D	DB E EA	EB F FA	FB FC G	H J JA	JB JC N	O QA QB		C	DB2 EC	HF LE	RA ZA	AB	FP	L	
SK 9012	6.77	2.95	0.39	5.12	1.46	0.43	1.38	7.64									1.250
- R 100 Z - 56 C	6.50	5.59	5.12	4.72	0.59	1.77	1.10	9.37		25.05	1.19	13.54	9.33	5.30	7.20	9.30	1.36
- 143 TC	5.51	4.41	5.32	1.38	0.63	1.58	2.52	2.80		26.05	5.98	6.69	3.46	5.30	7.20	10.30	2.36
- 145 TC										27.05				5.30	7.20	11.30	
- R 150 Z - 145 TC										29.57	0.08	16.69	10.43	5.30	7.20	11.30	1/4 x 1/4 x 2
										8.19	8.74	4.17					
SK 9022	7.48	3.58	0.55	5.12	1.97	0.55	2.28	9.29									1.375
- R 100 Z - 56 C	7.40	6.77	4.72	5.51	1.18	2.36	1.50	11.42		27.10	2.13	14.49	9.33	5.30	7.20	9.30	1.51
- 143 TC	6.54	5.51	6.34	1.18	0.95	1.97	2.95	3.94		28.10	5.98	6.69	3.46	5.30	7.20	10.30	2.76
- 145 TC										29.10				5.30	7.20	11.30	
- R 150 Z - 145 TC										31.61	1.02	17.64	10.43	5.30	7.20	11.30	5/16 x 5/16 x 2-1/4
										8.19	8.74	4.17					
SK 9032	9.06	4.47	0.94	7.48	2.56	0.71	2.36	11.61									1.750
- R 100 Z - 56 C	9.57	7.99	7.68	6.50	0.79	2.76	1.77	12.56		29.81	3.32	15.67	9.33	5.30	7.20	9.30	1.92
- 143 TC	7.68	7.09	7.72	1.57	0.99	2.36	3.78	4.41		30.81	5.98	6.69	3.46	5.30	7.20	10.30	3.54
- 145 TC										31.81				5.30	7.20	11.30	
- R 150 Z - 145 TC										32.52	2.21	18.82	10.43	5.30	7.20	11.30	
										8.19	8.74	4.17					
- R 196 Z - 182 TC										34.39	1.43	21.02	12.60	5.90	8.50	12.30	3/8 x 3/8 x 2-3/4
- 184 TC										36.09	9.84	10.16	5.04	5.90	8.50	14.00	
- R 210 Z - 213 TC										38.16	1.03	21.57	13.23	7.40	10.30	15.60	
- 215 TC										39.26	10.63	10.31	5.51	7.40	10.30	16.70	
SK 9042	10.23	5.91	1.42	8.66	3.03	0.87	2.76	13.66									2.375
- R 150 Z - 145 TC	11.42	9.84	7.09	7.09	1.18	3.15	1.97	14.92		35.28	2.29	19.61	10.43	5.30	7.20	11.30	2.65
	8.66	8.35	9.45	2.17	1.26	2.76	4.92	5.20		8.19	8.74	4.17					4.72
- R 196 Z - 184 TC										38.84	2.21	21.81	12.60	5.90	8.50	14.00	
										9.84	10.16	5.04					
- R 210 Z - 213 TC										40.91	1.81	22.36	13.23	7.40	10.30	15.60	5/8 x 5/8 x 3-1/4
- 215 TC										42.01	10.63	10.31	5.51	7.40	10.30	16.70	
- R 250 Z - 254 TC										44.38	0.83	25.39	15.59	9.70	13.30	18.20	
										12.44	12.36	6.34					

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, FOOT MOUNTED, TRIPLE REDUCTION



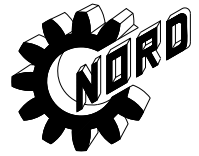
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions
	A AA B	BA BC D	DB E EA	EB F FA	FB FC G	H J JA	JB JC N	O QA QB	C	DB2 EC	HF LE	RA ZA	AB	FP	L	U UY V Key
SK 9052	12.99	6.73	1.61	11.02	3.35	1.02	3.54	16.73	38.47	4.88	21.50	10.43	5.30	7.20	11.30	3/4 x 3/4 x 3-1/2
- R 150 Z - 145 TC	14.17	11.53	9.45	9.45	1.38	3.94	2.76	18.11								
- R 196 Z - 184 TC	11.22	10.43	11.46	2.95	1.50	3.94	5.75	6.30	42.03	4.10	23.70	12.60	5.90	8.50	14.00	
- R 210 Z - 213 TC - 215 TC	44.10	3.70	24.25	13.23	7.40	10.30	15.60	16.70	45.20	10.63	10.31	5.51	7.40	10.30	16.70	
- R 250 Z - 254 TC	47.57	2.72	27.28	15.59	9.70	13.30	18.20	50.04	1.73	29.49	16.50	9.70	13.30	20.00		
- R 280 Z - 256 TC	51.30	0.67	33.78	19.53	12.70	15.20	20.30									
- R 300 Z - 256 TC - 284 TC - 286 TC	51.60	16.30	16.81	8.27	12.70	15.20	21.80	58.39	0.67	33.78	19.53	12.05	15.35	27.09		
- R 350 Z - 200 L	53.10	16.30	16.81	8.27	12.70	15.20	21.80									
SK 9062	15.35	8.35	2.00	12.20	4.13	1.30	4.33	19.69	58.39	0.67	33.78	19.53	12.05	15.35	27.09	7/8 x 7/8 x 4-5/8
- R 196 Z - 184 TC	16.53	13.78	11.02	10.63	2.17	4.33	2.76	21.65	45.57	5.68	25.29	12.60	5.90	8.50	14.00	
- R 210 Z - 213 TC - 215 TC	12.99	12.40	13.66	3.74	1.65	4.33	6.97	7.87								
- R 250 Z - 254 TC	47.65	5.28	25.84	13.23	7.40	10.30	15.60	48.75	10.63	10.31	5.51	7.40	10.30	16.70		
- R 280 Z - 256 TC	52.89	4.30	28.87	15.59	9.70	13.30	18.20									
- R 300 Z - 256 TC - 284 TC - 286 TC	55.35	3.31	31.07	16.50	9.70	13.30	20.00	56.61	2.25	35.37	19.53	9.70	13.30	20.00		
- R 350 Z - 200 L	56.91	16.30	16.81	8.27	12.70	15.20	20.30									
- R 375 Z - 225 S - 225 M	58.41	16.30	16.81	8.27	12.70	15.20	21.80	63.70	2.25	35.37	19.53	12.05	15.35	27.09		
- R 400 Z - 250 M	63.70	2.25	35.37	19.53	12.05	15.67	27.09									
	68.11	0.56	40.96	22.44	12.05	15.67	27.09	72.12	0.56	40.96	22.44	16.93	17.44	31.10		
	68.11	19.69	20.71	9.45	12.05	15.67	27.09									
	19.69	20.71	9.45													

Technical design may be subject to change. DXF files available upon request.

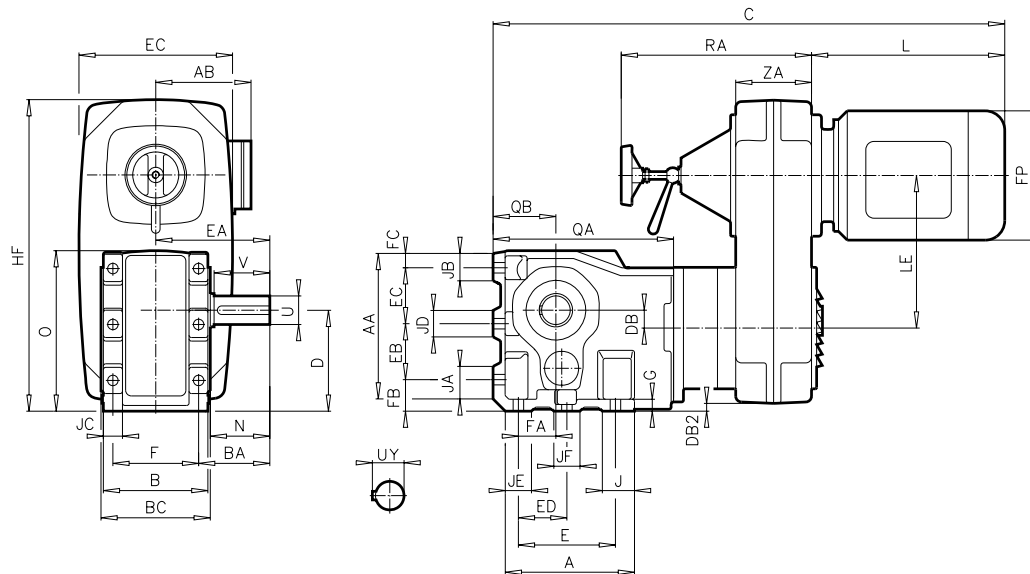
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	A	BA	DB	EB	FB	H	JB	O	C	DB2	HF	RA	AB	FP	L	U UY V Key		
	AA B	BC D	E EA	F FA	FC G	J JA	JC N	QA QB		EC	LE	ZA						
SK 9082	19.68	9.96	2.05	15.75	4.33	1.54	4.72	24.13								4.375		
- R 280 Z - 256 TC	20.47	17.72	13.78	12.99	2.36	5.91	3.46	27.76	61.46	5.62	33.39	16.50	9.70	13.30	20.00	1 x 1 x 5-3/4	4.82	
	15.55	14.76	16.46	4.53	1.77	4.72	8.58	8.86		14.09	13.58	7.01					8.27	
- R 300 Z - 256 TC									65.31	4.56	37.68	19.53	9.70	13.30	20.00			
- 284 TC									65.61	16.30	16.81	8.27	12.70	15.20	20.30			
- 286 TC									67.11				12.70	15.20	21.80			
- R 350 Z - 200 L									72.40	4.56	37.68	19.53	12.05	15.35	27.09			
										16.30	16.81	8.27						
- R 375 Z - 225 S									73.59	2.87	43.27	22.44	12.05	15.67	27.09			
- 225 M									73.59	19.69	20.71	9.45	12.05	15.67	27.09			
- R 400 Z - 250 M									77.60	2.87	43.27	22.44	16.93	17.44	31.10			
										19.69	20.71	9.45						
- R 500 Z - 280 S									83.27	-0.48	61.10	25.24	17.91	21.65	34.06			
- 280 M									83.27	19.69	35.20	11.81	17.91	21.65	34.06			
- 315 S									87.40				20.28	24.41	38.19			
SK 9086	20.47	9.72	3.50	18.90	4.72	1.54	5.51	27.95								4.750		
- R 280 Z - 256 TC	24.41	19.69	14.96	16.54	2.56	5.91	3.94	28.78	62.48	7.13	34.88	16.50	9.70	13.30	20.00	1-1/4 x 1-1/4x 6-1/4	5.30	
	19.68	17.72	17.99	5.51	1.97	5.91	8.62	9.84		14.09	13.58	7.01					8.27	
- R 300 Z - 256 TC									66.34	6.07	39.17	19.53	9.70	13.30	20.00			
- 284 TC									66.34	16.30	16.81	8.27	12.70	15.20	20.30			
- 286 TC									68.14				12.70	15.20	21.80			
- R 350 Z - 200 L									73.43	6.07	39.17	19.53	12.05	15.35	27.09			
										16.30	16.81	8.27						
- R 375 Z - 225 S									74.61	4.38	44.76	22.44	12.05	15.67	27.09			
- 225 M									74.61	19.69	20.71	9.45	12.05	15.67	27.09			
- R 400 Z - 250 M									78.62	4.38	44.76	22.44	16.93	17.44	31.10			
										19.69	20.71	9.45						
- R 500 U - 280 S									84.30	1.03	62.60	25.24	17.91	21.65	34.06			
- 280 M									84.30	19.69	35.20	11.81	17.91	21.65	34.06			
- 315 S									88.43				20.28	24.41	38.19			

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VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z - DESIGN, FOOT MOUNTED, TRIPLE REDUCTION



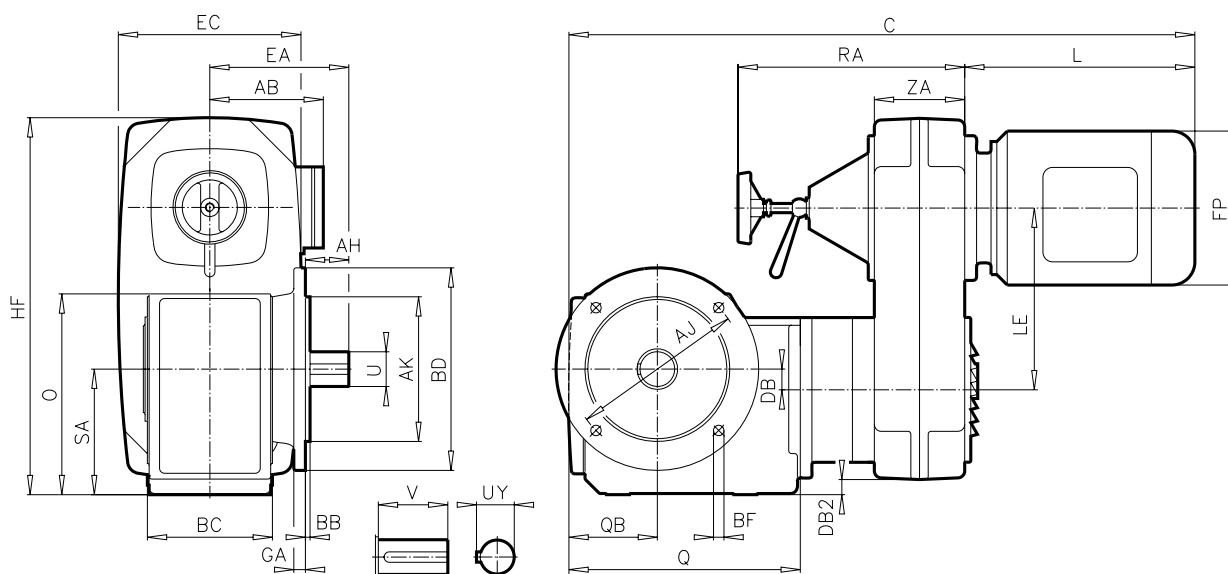
Type	Gear reducer dimensions										Outline dimensions				Motor dimensions			Shaft dimensions	
	A AA B	BA BC D	DB E EA	EB EC ED	F FA FB	FC G H	J JA JB	JC JD JE	JF N O	QA QB	C	DB2	HF	RA	AB	FP	L	U UY V Key	
SK 9092	26.38	12.40	3.94	10.63	18.90	2.76	5.12	3.74	5.51	35.20								5.500	
- R 375 Z - 225 S	25.98	23.23	21.26	10.63	7.87	1.97	3.94	3.94	10.24		81.03	5.91	46.30	22.44	12.05	15.67	27.09	6.06	
- 225 M	22.44	19.69	21.85	10.63	4.53	1.30	4.72	3.94	32.09	12.40	81.03	19.69	20.71	9.45	12.05	15.67	27.09	9.84	
- R 400 Z - 250 M											85.04	5.91	46.30	22.44	16.93	17.44	31.10		
												19.69	20.71	9.45					
- R 500 Z - 280 S											90.71	2.56	64.13	25.24	17.91	21.65	34.06	1-1/4x1-1/4x	
- 280 M											90.71	19.69	35.20	11.81	17.91	21.65	34.06	5-3/4	
- 315 S											94.84				20.28	24.41	38.19		

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



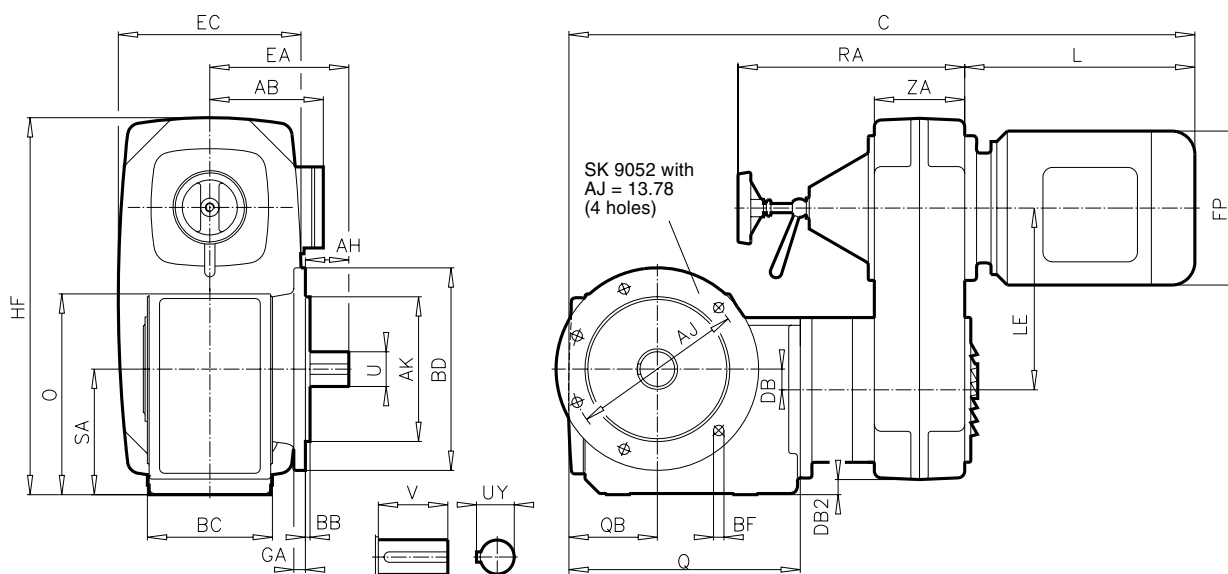
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U UY V Key
	AK	BD	GA	BC	EA	Q	SA		EC	LE	ZA				
SK 9012 VF	6.50	0.14	0.43	0.87	0.39	7.76	3.23								1.250
- R 100 Z - 56 C	5.118	7.87	0.47	5.67	5.32	9.80	4.41	25.48	1.19	13.54	9.33	5.30	7.20	9.30	1.36
- 143 TC								26.48	5.98	6.69	3.46	5.30	7.20	10.30	2.36
- 145 TC								27.48				5.30	7.20	11.30	
- R 150 Z - 145 TC								30.00	0.08	16.69	10.43	5.30	7.20	11.30	1/4 x 1/4 x 2
								8.19	8.74	4.17					
SK 9022 VF	8.47	0.16	0.55	1.06	0.55	9.57	4.02								1.375
- R 100 Z - 56 C	7.087	9.84	0.63	6.46	6.34	11.50	5.63	27.17	2.25	14.61	9.33	5.30	7.20	9.30	1.51
- 143 TC								28.17	5.98	6.69	3.46	5.30	7.20	10.30	2.76
- 145 TC								29.17				5.30	7.20	11.30	
- R 150 Z - 145 TC								31.69	1.14	17.76	10.43	5.30	7.20	11.30	5/16 x 5/16 x 2-1/4
								8.19	8.74	4.17					
SK 9032 VF	8.47	0.16	0.55	1.81	0.94	11.81	4.96								1.750
- R 100 Z - 56 C	7.087	9.84	0.63	7.87	7.72	13.11	7.09	30.36	3.32	15.67	9.33	5.30	7.20	9.30	1.92
- 143 TC	or							31.36	5.98	6.69	3.46	5.30	7.20	10.30	3.54
- 145 TC	10.43	0.16	0.55					32.36				5.30	7.20	11.30	
- R 150 Z - 145 TC	9.055	11.81	0.79					33.07	2.21	18.82	10.43	5.30	7.20	11.30	
								8.19	8.74	4.17					
- R 196 Z - 182 TC								34.94	1.43	21.02	12.60	5.90	8.50	12.30	3/8 x 3/8 x 2-3/4
- 184 TC								36.64	9.84	10.16	5.04	5.90	8.50	14.00	
- R 210 Z - 213 TC								38.71	1.03	21.57	13.23	7.40	10.30	15.60	
- 215 TC								39.81	10.63	10.31	5.51	7.40	10.30	16.70	
SK 9042 VF	11.81	0.20	0.71	2.95	1.42	14.06	6.06								2.375
- R 150 Z - 145 TC	9.843	13.78	0.79	9.84	9.45	15.79	8.54	36.14	3.18	19.80	10.43	5.30	7.20	11.30	2.65
								8.19	8.74	4.17					4.72
- R 196 Z - 184 TC								39.71	2.40	22.01	12.60	5.90	8.50	14.00	
								9.84	10.16	5.04					
- R 210 Z - 213 TC								41.78	2.00	22.56	13.23	7.40	10.30	15.60	5/8 x 5/8 x 3-1/4
- 215 TC								42.88	10.63	10.31	5.51	7.40	10.30	16.70	
- R 250 Z - 254 TC								45.25	1.02	25.59	15.59	9.70	13.30	18.20	
								12.44	12.36	6.34					

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



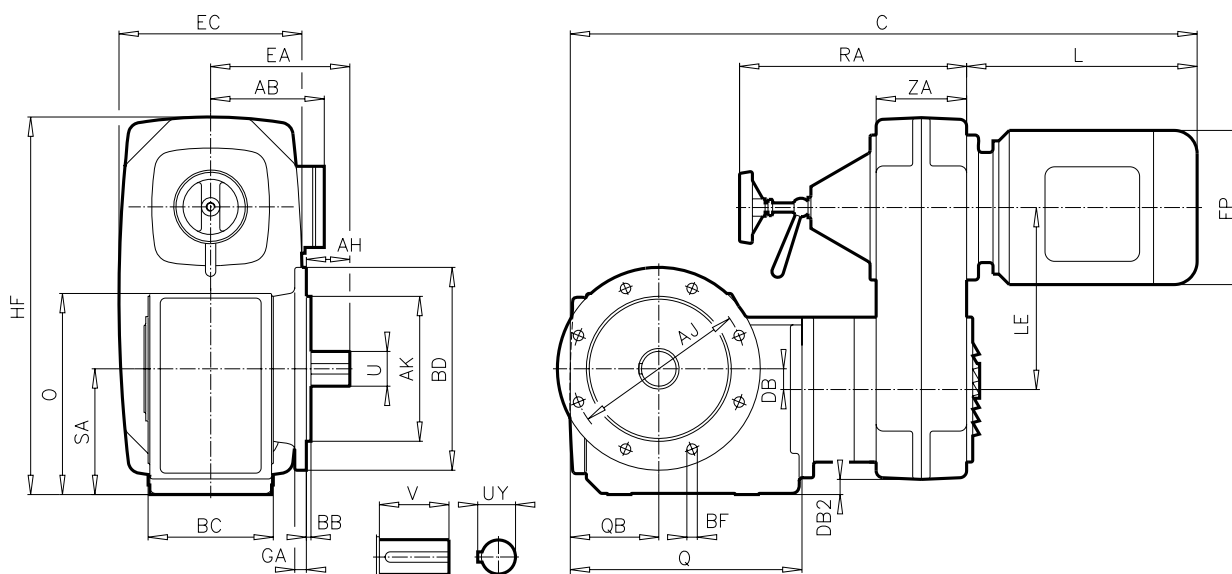
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions					
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U UY V Key					
	AK	BD	GA	BC	EA	Q	SA		EC	LE	ZA									
SK 9052 VF	13.78	0.20	0.71	3.50	1.61	16.81	7.28	39.45	4.77 8.19	21.38 8.74	10.43 4.17	5.30	7.20	11.30	3/4 x 3/4 x 3-1/2	2.875				
- R 150 Z - 145 TC	11.811	15.75	0.79	11.42	11.42	19.09	10.32					3.20								
- R 196 Z - 184 TC	15.75 13.780	0.20 17.72	0.71 0.87	13.780	17.72	0.87	11.42					5.51								
- R 210 Z - 213 TC												43.02	3.99	23.58		12.60	5.90	8.50	14.00	3.20
- 215 TC													9.84	10.16		5.04				5.51
- R 250 Z - 254 TC												45.09	3.59	24.13		13.23	7.40	10.30	15.60	
- R 280 Z - 256 TC												46.19	10.63	10.31		5.51	7.40	10.30	16.70	
- R 300 Z - 256 TC												48.55	2.61	27.17		15.59	9.70	13.30	18.20	
- 284 TC													12.44	12.36		6.34				
- 286 TC				51.02	1.62	29.37	16.50	9.70	13.30	20.00										
- R 350 Z - 200 L					14.09	13.58	7.01													
SK 9062 VF	15.75	0.20	0.71	4.65	2.00	20.00	8.58	46.28	5.68 9.84	25.29 10.16	12.60 5.04	5.90	8.50	14.00	7/8 x 7/8 x 4-5/8	3.625				
- R 196 Z - 184 TC	13.780	17.72	0.87	13.78	13.58	22.36	12.40					4.01								
- R 210 Z - 213 TC				13.780	17.72	0.87	13.78					6.69								
- 215 TC												48.36	5.28	25.84		13.23	7.40	10.30	15.60	
- R 250 Z - 254 TC												49.46	10.63	10.31		5.51	7.40	10.30	16.70	
- R 280 Z - 256 TC												53.59	4.30	28.87		15.59	9.70	13.30	18.20	
- 284 TC													12.44	12.36		6.34				
- 286 TC												56.06	3.31	31.07		16.50	9.70	13.30	20.00	
- R 300 Z - 256 TC													14.09	13.58		7.01				
- 284 TC								57.32	2.25	35.37	19.53	9.70	13.30	20.00						
- 286 TC								57.62	16.30	16.81	8.27	12.70	15.20	20.30						
- R 350 Z - 200 L				59.12				12.70	15.20	21.80										
- R 375 Z - 225 S								64.41	2.25	35.37	19.53	12.05	15.35	27.09						
- 225 M									16.30	16.81	8.27									
- R 400 Z - 250 M								68.82	0.56	40.96	22.44	12.05	15.67	27.09						
								68.82	19.69	20.71	9.45	12.05	15.67	27.09						
								72.83	0.56	40.96	22.44	16.93	17.44	31.10						
									19.69	20.71	9.45									

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VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



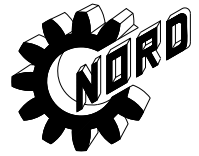
Z-DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



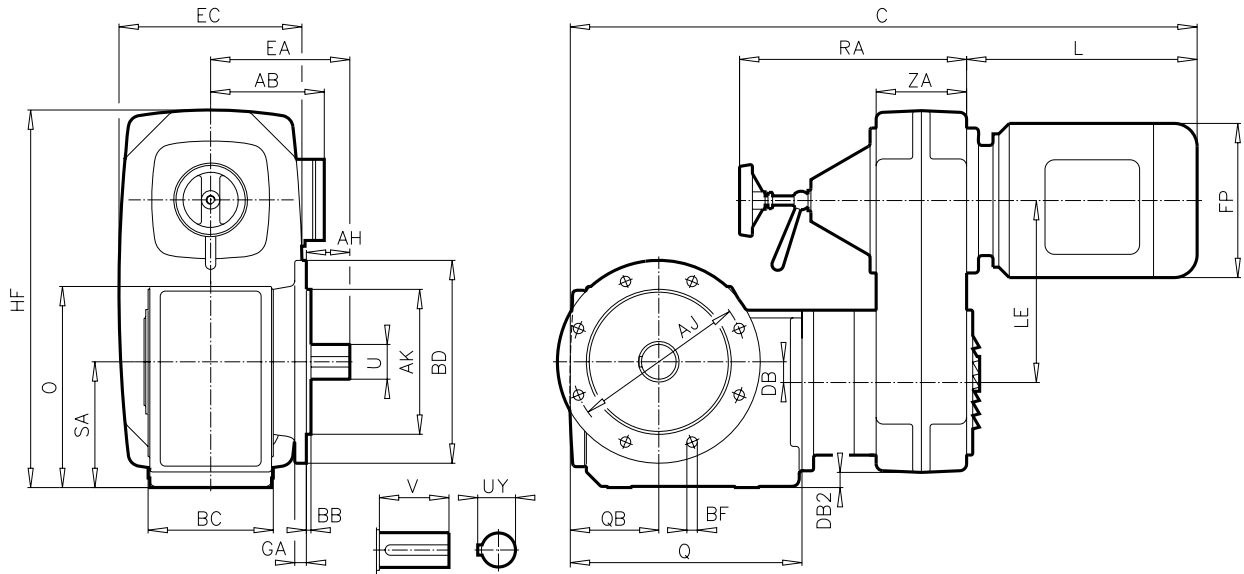
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions			
	AJ	BB	BF	AH	DB	O	QB		C	DB2	HF	RA				U	UY	V	Key
	AK	BD	GA	BC	EA	Q	SA			EC	LE	ZA	AB	FP	L				
SK 9082 VF	19.69	0.20	0.71	6.42	2.05	24.33	9.45		62.05	5.62	33.39	16.50	9.70	13.30	20.00	1 x 1 x 5-3/4			
- R 280 Z - 256 TC	17.717	21.65	1.10	17.72	16.54	28.35	14.76			14.09	13.58	7.01							
- R 300 Z - 256 TC									65.91	4.56	37.68	19.53	9.70	13.30	20.00				
- 284 TC									66.21	16.30	16.81	8.27	12.70	15.20	20.30				
- 286 TC									67.71				12.70	15.20	21.80				
- R 350 Z - 200 L									73.00	4.56	37.68	19.53	12.05	15.35	27.09				
										16.30	16.81	8.27							
- R 375 Z - 225 S									74.18	2.87	43.27	22.44	12.05	15.67	27.09	1-1/4 x 1-1/4 x 6-1/4			
- 225 M									74.18	19.69	20.71	9.45	12.05	15.67	27.09				
- R 400 Z - 250 M									78.19	2.87	43.27	22.44	16.93	17.44	31.10				
										19.69	20.71	9.45							
- R 500 Z - 280 S									83.86	-0.48	61.10	25.24	17.91	21.65	34.06				
- 280 M									83.86	19.69	35.20	11.81	17.91	21.65	34.06				
- 315 S									87.99				20.28	24.41	38.19				
SK 9086 VF	23.62	0.24	0.87	5.71	3.50	28.34	10.43		63.07	7.13	34.88	16.50	9.70	13.30	20.00	1-1/4 x 1-1/4 x 6-1/4			
- R 280 Z - 256 TC	21.654	25.98	1.26	19.13	18.11	29.37	17.72			14.09	13.58	7.01							
- R 300 Z - 256 TC									66.93	6.07	39.17	19.53	9.70	13.30	20.00				
- 284 TC									67.23	16.30	16.81	8.27	12.70	15.20	20.30				
- 286 TC									68.73				12.70	15.20	21.80				
- R 350 Z - 200 L									74.02	6.07	39.17	19.53	12.05	15.35	27.09				
										16.30	16.81	8.27							
- R 375 Z - 225 S									75.20	4.38	44.76	22.44	12.05	15.67	27.09	1-1/4 x 1-1/4 x 6-1/4			
- 225 M									75.20	19.69	20.71	9.45	12.05	15.67	27.09				
- R 400 Z - 250 M									79.21	4.38	44.76	22.44	16.93	17.44	31.10				
										19.69	20.71	9.45							
- R 500 U - 280 S									84.89	1.03	62.60	25.24	17.91	21.65	34.06				
- 280 M									84.89	19.69	35.20	11.81	17.91	21.65	34.06				
- 315 S									89.02				20.28	24.41	38.19				

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VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



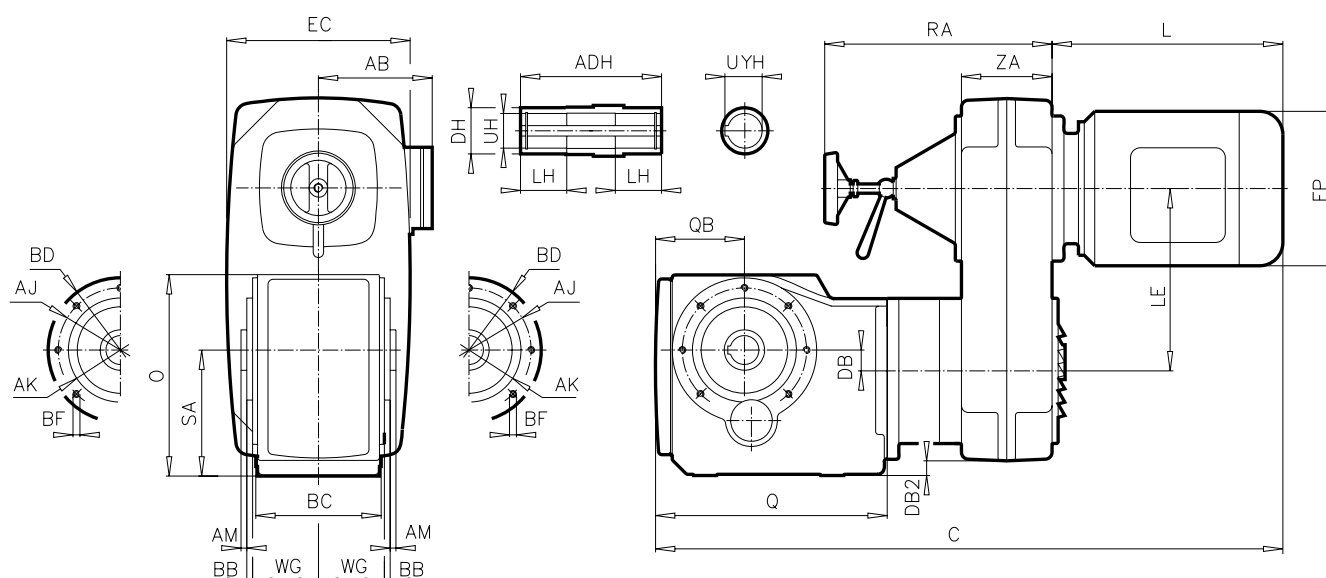
Z-DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U UY V Key
	AK	BD	GA	BC	EA	Q	SA		EC	LE	ZA				
SK 9092 VF	23.62	0.24	0.87	7.36	3.94	32.09	12.20								5.500
- R 375 Z - 225 S	21.654	25.98	1.26	23.23	21.85	35.00	19.68	80.83	5.91	46.30	22.44	12.05	15.67	27.09	6.06
- 225 M								80.83	19.69	20.71	9.45	12.05	15.67	27.09	9.84
- R 400 Z - 250 M								84.84	5.91	46.30	22.44	16.93	17.44	31.10	
									19.69	20.71	9.45				
- R 500 Z - 280 S								90.52	2.56	64.13	25.24	17.91	21.65	34.06	1-1/4x1-1/4x 5-3/4
- 280 M								90.52	19.69	35.20	11.81	17.91	21.65	34.06	
- 315 S								94.65				20.28	24.41	38.19	

Technical design may be subject to change. DXF files available upon request.

Z-DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



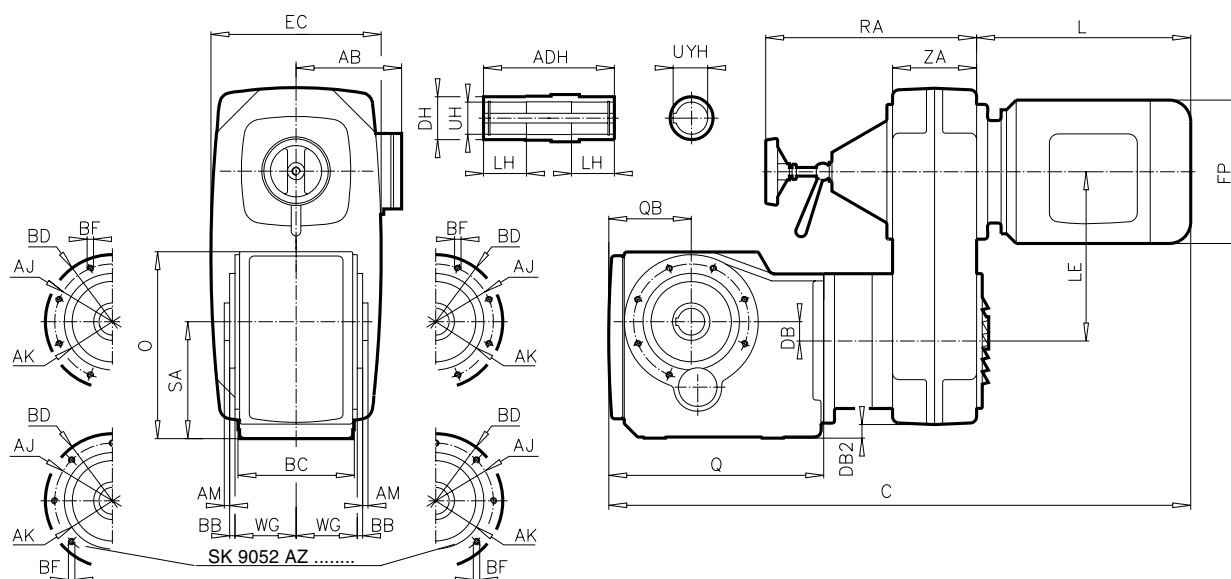
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	DB	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LH	UYH
	AK	BD		BC	O	QB	WG		EC	LE	ZA				DH	UH	
SK 9012 AZ	4.53	0.12	7 x M8	0.12	0.39	9.80	4.41								5.83	1.97	1.52
- R 100 Z - 56 C	3.740	5.51		5.67	7.76	3.23	2.68	25.48	1.19	13.54	9.33	5.30	7.20	9.30	1.97	1.375	
- 143 TC								26.48	5.98	6.69	3.46	5.30	7.20	10.30			
- 145 TC								27.48				5.30	7.20	11.30			
- R 150 Z - 145 TC								30.00	0.08	16.69	10.43	5.30	7.20	11.30	5/16 x 5/16 x 4-1/4		
								8.19	8.74	4.17							
SK 9022 AZ	5.12	0.16	7 x M8	0.16	0.55	11.50	5.63								7.09	2.36	1.67
- R 100 Z - 56 C	4.331	6.30		6.46	9.57	4.02	3.23	27.17	2.25	14.61	9.33	5.30	7.20	9.30	2.17	1.500	
- 143 TC								28.17	5.98	6.69	3.46	5.30	7.20	10.30			
- 145 TC								29.17				5.30	7.20	11.30			
- R 150 Z - 145 TC								31.69	1.14	17.76	10.43	5.30	7.20	11.30	3/8 x 3/8 x 5		
								8.19	8.74	4.17							
SK 9032 AZ	6.50	0.12	7xM10	0.20	0.94	13.11	7.09								8.27	2.76	2.22
- R 100 Z - 56 C	5.118	7.87		7.87	11.81	4.96	3.82	30.36	3.32	15.67	9.33	5.30	7.20	9.30	2.76	2.000	
- 143 TC								31.36	5.98	6.69	3.46	5.30	7.20	10.30			
- 145 TC								32.36				5.30	7.20	11.30			
- R 150 Z - 145 TC								33.07	2.21	18.82	10.43	5.30	7.20	11.30	1/2 x 1/2 x 5-1/2		
								8.19	8.74	4.17							
- R 196 Z - 182 TC								34.94	1.43	21.02	12.60	5.90	8.50	12.30			
- 184 TC								36.64	9.84	10.16	5.04	5.90	8.50	14.00			
- R 210 Z - 213 TC								38.71	1.03	21.57	13.23	7.40	10.30	15.60			
- 215 TC								39.81	10.63	10.31	5.51	7.40	10.30	16.70			
SK 9042 AZ	8.47	0.28	7xM12	0.20	1.42	15.78	8.54								9.45	3.15	2.55
- R 150 Z - 145 TC	7.087	9.84		9.84	14.06	6.06	4.25	36.14	3.18	19.80	10.43	5.30	7.20	11.30	3.15	2.375	
								8.19	8.74	4.17							
- R 196 Z - 184 TC								39.71	2.40	22.01	12.60	5.90	8.50	14.00			
								9.84	10.16	5.04							
- R 210 Z - 213 TC								41.78	2.00	22.56	13.23	7.40	10.30	15.60	5/8 x 7/16 x 6-1/2		
- 215 TC								42.88	10.63	10.31	5.51	7.40	10.30	16.70			
- R 250 Z - 254 TC								45.25	1.02	25.59	15.59	9.70	13.30	18.20			
								12.44	12.36	6.34							

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VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



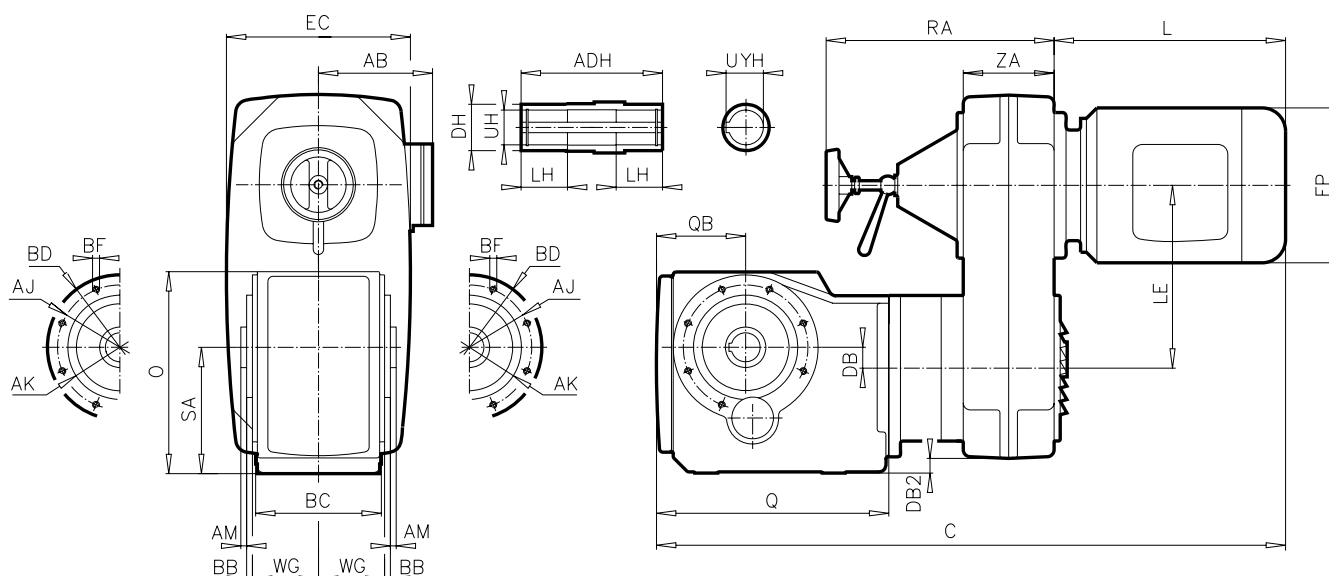
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	DB	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LH	UYH
	AK	BD		BC	O	QB	WG	EC	LE	ZA					DH	UH	
SK 9052 AZ	10.43	0.16	7xM12	0.20	1.61	19.09	10.31	39.45	4.77	21.38	10.43	5.30	7.20	11.30	11.81	3.94	3.04
- R 150 Z - 145 TC	9.055	11.81		11.42	16.81	7.28	5.55		8.19	8.74	4.17				3.94	2.750	
- R 196 Z - 184 TC								43.02	3.99	23.58	12.60	5.90	8.50	14.00	5/8 x 5/8 x 8		
- R 210 Z - 213 TC									9.84	10.16	5.04						
- R 215 TC								45.09	3.59	24.13	13.23	7.40	10.30	15.60			
- R 250 Z - 254 TC								46.19	10.63	10.31	5.51	7.40	10.30	16.70			
- R 280 Z - 256 TC								48.55	2.61	27.17	15.59	9.70	13.30	18.20			
- R 300 Z - 256 TC									12.44	12.36	6.34				3/4 x 3/4 x 9		
- R 284 TC								51.02	1.62	29.37	16.50	9.70	13.30	20.00			
- R 286 TC									14.09	13.58	7.01						
- R 350 Z - 200 L								52.28	0.56	33.66	19.53	9.70	13.30	20.00			
								52.58	16.30	16.81	8.27	12.70	15.20	20.30			
								54.08				12.70	15.20	21.80	3/4 x 3/4 x 9		
								59.37	0.56	33.66	19.53	12.05	15.35	27.09			
									16.30	16.81	8.27						
SK 9062 AZ	11.81	0.20	7xM16	0.20	2.00	22.36	12.40	46.28	5.68	25.29	12.60	5.90	8.50	14.00	13.78	4.72	3.58
- R 196 Z - 184 TC	9.843	13.78		13.78	20.00	8.58	6.50		9.84	10.16	5.04				4.33	3.250	
- R 210 Z - 213 TC								48.36	5.28	25.84	13.23	7.40	10.30	15.60	3/4 x 3/4 x 9		
- R 215 TC								49.46	10.63	10.31	5.51	7.40	10.30	16.70			
- R 250 Z - 254 TC								53.59	4.30	28.87	15.59	9.70	13.30	18.20			
- R 280 Z - 256 TC									12.44	12.36	6.34						
- R 300 Z - 256 TC								56.06	3.31	31.07	16.50	9.70	13.30	20.00			
- R 284 TC									14.09	13.58	7.01				3/4 x 3/4 x 9		
- R 286 TC								57.32	2.25	35.37	19.53	9.70	13.30	20.00			
- R 350 Z - 200 L								57.62	16.30	16.81	8.27	12.70	15.20	20.30			
								59.12				12.70	15.20	21.80			
								64.41	2.25	35.37	19.53	12.05	15.35	27.09	3/4 x 3/4 x 9		
- R 375 Z - 225 S									16.30	16.81	8.27						
- R 225 M								68.82	0.56	40.96	22.44	12.05	15.67	27.09			
- R 400 Z - 250 M								68.82	19.69	20.71	9.45	12.05	15.67	27.09			
								72.83	0.56	40.96	22.44	16.93	17.44	31.10			
									19.69	20.71	9.45						

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION



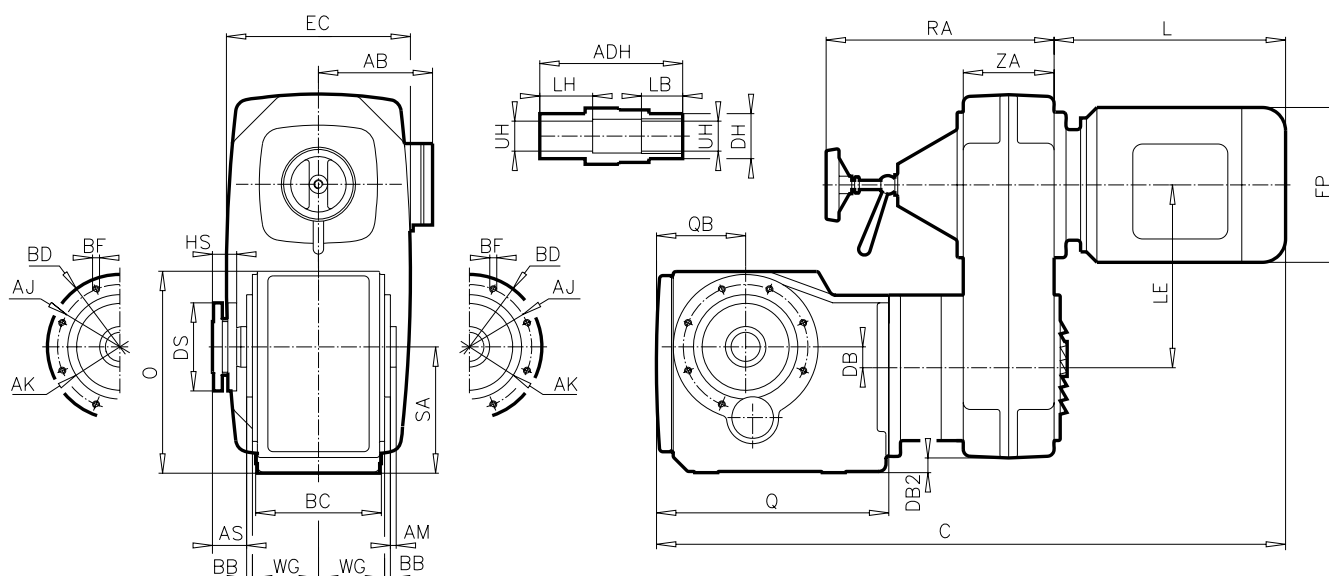
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AM	DB	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LH	UYH
	AK	BD		BC	O	QB	WG								DH	UH	
SK 9082 AZ	13.78	0.28	7xM16	0.32	2.05	28.35	14.76								16.54	5.51	4.44
- R 280 Z - 256 TC	11.811	15.75		17.72	24.33	9.45	7.68	62.05	5.62	33.39	16.50	9.70	13.30	20.00	5.51	4.000	
- R 300 Z - 256 TC								65.91	4.56	37.68	19.53	9.70	13.30	20.00	1 x 1 x 14-1/2		
- 284 TC								66.21	16.30	16.81	8.27	12.70	15.20	20.30			
- 286 TC								67.71				12.70	15.20	21.80			
- R 350 Z - 200 L								73.00	4.56	37.68	19.53	12.05	15.35	27.09			
								16.30	16.81	8.27							
- R 375 Z - 225 S								74.18	2.87	43.27	22.44	12.05	15.67	27.09	1-1/4 x 1-1/4 x 12		
- 225 M								74.18	19.69	20.71	9.45	12.05	15.67	27.09			
- R 400 Z - 250 M								78.19	2.87	43.27	22.44	16.93	17.44	31.10			
								19.69	20.71	9.45							
								83.86	-0.48	61.10	25.24	17.91	21.65	34.06			
- R 500 Z - 280 S								83.86	19.69	35.20	11.81	17.91	21.65	34.06	1-1/4 x 1-1/4 x 12		
- 280 M								87.99				20.28	24.41	38.19			
- 315 S																	
SK 9086 AZ	15.75	0.28	7xM20	0.32	3.50	29.37	17.72								19.69	6.30	5.30
- R 280 Z - 256 TC	13.780	17.72		19.13	28.35	10.43	9.25	63.07	7.13	34.88	16.50	9.70	13.30	20.00	6.30	4.750	
- R 300 Z - 256 TC								66.93	6.07	39.17	19.53	9.70	13.30	20.00	1-1/4 x 1-1/4 x 12		
- 284 TC								67.23	16.30	16.81	8.27	12.70	15.20	20.30			
- 286 TC								68.73				12.70	15.20	21.80			
- R 350 Z - 200 L								74.02	6.07	39.17	19.53	12.05	15.35	27.09			
								16.30	16.81	8.27							
- R 375 Z - 225 S								75.20	4.38	44.76	22.44	12.05	15.67	27.09	1-1/4 x 1-1/4 x 12		
- 225 M								75.20	19.69	20.71	9.45	12.05	15.67	27.09			
- R 400 Z - 250 M								79.21	4.38	44.76	22.44	16.93	17.44	31.10			
								19.69	20.71	9.45							
								84.89	1.03	62.60	25.24	17.91	21.65	34.06			
- R 500 U - 280 S								84.89	19.69	35.20	11.81	17.91	21.65	34.06	1-1/4 x 1-1/4 x 12		
- 280 M								89.02				20.28	24.41	38.19			
- 315 S																	

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



Z-DESIGN, SHAFT MOUNTED, TRIPLE REDUCTION

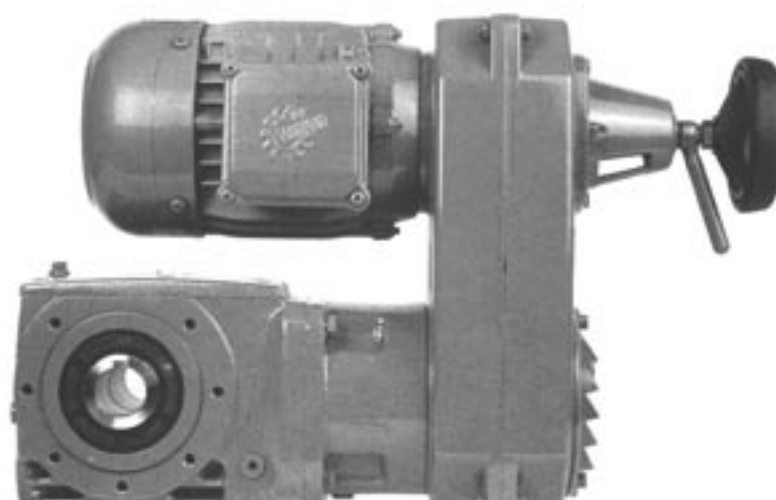
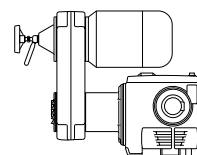


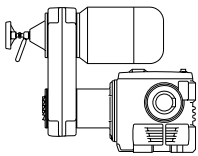
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB BD BF	AM	BC	DS	O	Q	SA	C	DB2	HF	RA	AB	FP	L	ADH	LB	LH
	AK		AS	DB	HS		QB	WG		EC	LE	ZA				UH	UF	
SK 9092 AZS	15.75	0.28	0.40	23.23	12.99	32.09	35.00	19.68	80.83	5.91	46.30	22.44	12.05	15.67	27.09	27.95	3.94	3.39
- R 375 Z - 225 S	13.780	17.72	4.33	3.94	3.39		12.20	11.34	80.83	19.69	20.71	9.45	12.05	15.67	27.09	5.500	7.87	
- 225 M		7xM20																
- R 400 Z - 250 M									84.84	5.91	46.30	22.44	16.93	17.44	31.10			
									19.69	20.71	9.45							
- R 500 Z - 280 S									90.52	2.56	64.13	25.24	17.91	21.65	34.06	Shrink disc		
- 280 M									90.52	19.69	35.20	11.81	17.91	21.65	34.06			
- 315 S									94.65				20.28	24.41	38.19			

Technical design may be subject to change. DXF files available upon request.

NOTES

VARIABLE SPEED WORM GEAR UNITS

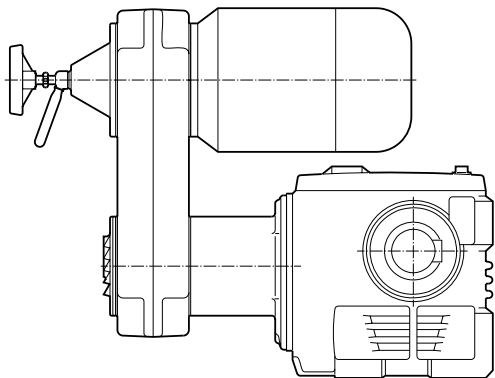




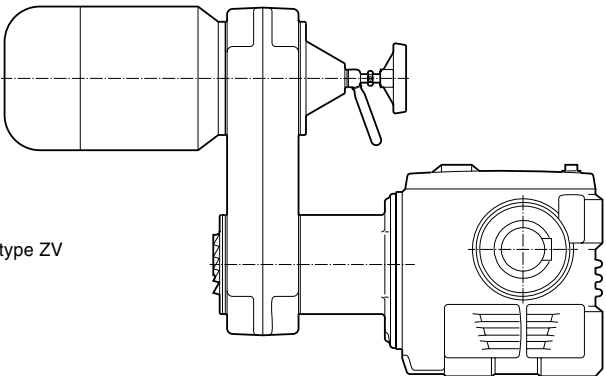
VARIABLE SPEED WORM GEAR UNITS

NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE
FOOT MOUNTED EXECUTION	
SK 02040 - SK 42125 = Worm Gearboxes, double reduction	R 100 U R 150 U R 196 U R 210 U Variable speed drives U design R 250 U R 280 U
FLANGE MOUNTED EXECUTION	
SK 02040 F - SK 42125 F = Worm Gearboxes, double reduction	R 100 Z R 150 Z R 196 Z R 210 Z Variable speed drives Z design R 250 Z R 280 Z
SHAFT MOUNTED EXECUTION	
SK 02040 A - SK 42125 A = Worm Gearboxes, double reduction	
WORM GEAR UNITS - OPTIONS	
see catalog 1000	

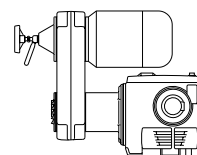


STANDARD TYPE
 Variable speed worm geared motor
 U - design (affix: U), with control gear type ZV



Variable speed worm geared motor
 Z - design (affix: Z), with control gear type ZV

VARIABLE SPEED WORM GEAR UNITS

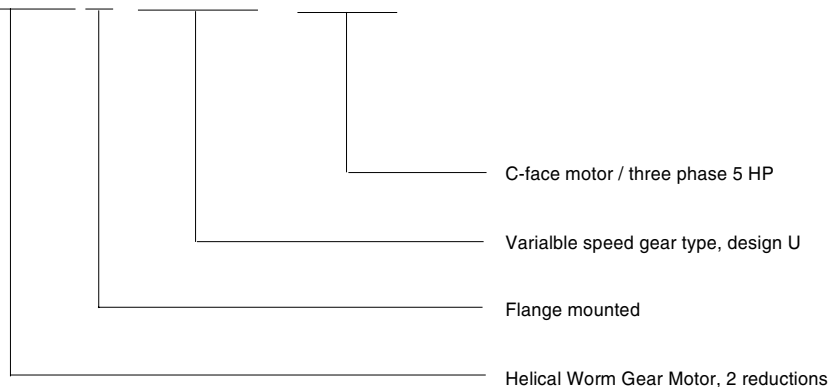


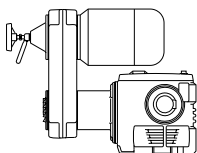
NOMENCLATURE

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
= Speed control ZV WST = Angular control EMFST = Electromechanical remote control SPEED INDICATORS BLA = Non contacting speed indicator, analogue BLD = Non contacting speed indicator, digital FAA = EMFST with remote speed indicator, analogue FAD = EMFST with remote speed indicator, digital	C - face 1/3 - 20 HP 56 C - 256 TC	BRE = with brake DG = Incremental encoder HL = Brake motor with hand release R = Backstop RG = Brake corrosion-protected	SR = Brake dust-proof TF = Thermistor TW = Thermal trip WE = 2nd motor shaft end

EXAMPLE FOR ORDERING

SK 32100 F - R 196 U - 184 TC





VARIABLE SPEED WORM GEAR UNITS

MOUNTING POSITIONS

FOOT MOUNTED

B 3 U (Z)	B 3 I U (Z)	B 6 U (Z)	B 8 U (Z)
B 6 I U (Z)	B 6 II U (Z)	B 8 I U (Z)	V 5 I U (Z)

Symbols: Vent plug

Drain plug

Oil level

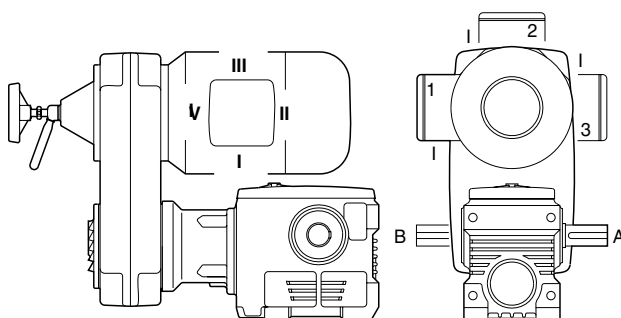
Mounting surface

POSITION OF TERMINAL BOX AND CABLE ENTRY

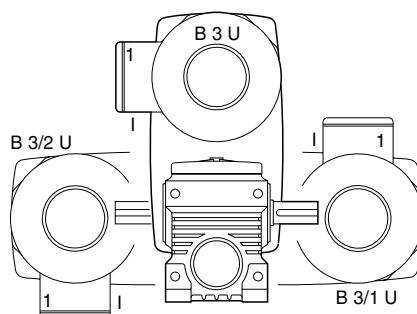
Please specify position of terminal box and cable entry!

Normal design: Cable entry at 3, terminal box at I or III only.

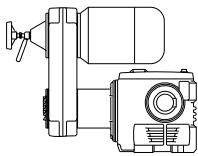
If other position are required, please specify exactly when ordering.



In all mounting positions the variable speed drive may be mounted at an angle of 90°.



VARIABLE SPEED WORM GEAR UNITS



MOUNTING POSITIONS

FLANGE MOUNTED

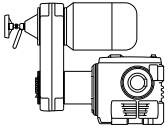
B 5 U (Z)	B 5 II U (Z)
B 5 I U (Z)	B 5 III U (Z)
V 1 U (Z)	V 3 U (Z)

Symbols:  Vent plug  Drain plug  Oil level  Mounting surface

SHAFT MOUNTED

H 1 U (Z)	H 2 U (Z)
H 3 U (Z)	H 4 U (Z)
H 5 U (Z)	H 6 U (Z)

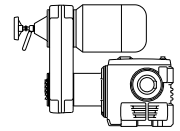
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. Ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.50	6.2	1.2	2443	3221	1.1	1.0	626.79	SK 12063 - R100 Z - 56 C	90	1.1	5.00
	7.3	1.5	2106	3195	1.3	1.0	529.38				
	8.3	1.7	1876	3177	1.4	1.0	464.61				
	9.3	1.9	1699	3151	1.5	1.0	413.10				
	14.6	2.9	1381	2761	1.7	1.0	264.24				
	17	3.5	1186	2744	1.9	1.0	223.17				
	20	3.9	1035	2717	2.2	1.0	195.86				
	21	4.2	837	2929	2.5	1.0	183.60				
	24	4.8	764	2885	2.6	1.0	162.18				
	27	5.3	680	2761	2.8	1.0	144.33				
	33	6.5	574	2310	3.1	1.2	118.32				
	37	7.4	512	2062	3.3	1.3	104.04				
	42	8.4	462	1867	3.4	1.4	92.31				
	50	10.0	444	1965	3.9	1.3	77.40				
	56	11.3	397	1761	4.2	1.4	68.37				
	63	12.7	354	1566	4.5	1.5	60.85				
	77	15.0	294	1301	5.0	1.8	49.88				
	88	18	261	1159	5.4	2.0	43.86				
	99	20	232	1044	5.7	2.1	38.92				
	111	22	220	1018	6.2	2.1	34.89				
	135	27	181	842	6.9	2.4	28.61				
	153	31	161	740	7.4	2.7	25.15				
	173	35	142	665	7.9	2.9	22.32				
	17	3.3	1195	1540	1.1	1.0	231.41	SK 02050 - R100 U/Z - 56 C	82	1.1	5.00
	20	4.0	1018	1522	1.3	1.0	194.18				
	23	4.5	903	1513	1.4	1.0	170.10				
	26	5.2	664	1407	1.5	1.0	147.90				
	30	5.9	593	1381	1.6	1.0	130.05				
	34	6.7	532	1363	1.7	1.0	114.75				
	42	8.3	437	1319	1.9	1.0	92.82				
	48	9.6	385	1283	2.1	1.0	80.58				
	59	11.8	370	1398	2.7	1.0	65.25				
	67	13.4	325	1372	2.9	1.0	57.38				
	76	15.0	290	1301	3.1	1.0	50.63				
	94	19	238	1071	3.5	1.2	40.95				
	109	22	206	938	3.8	1.4	35.55				
	125	25	194	912	4.3	1.3	30.94				
	142	28	170	801	4.7	1.5	27.21				
	161	32	150	706	5.1	1.7	24.01				
	199	40	123	579	5.8	2.0	19.42				
	229	46	107	503	6.2	2.2	16.86				
	262	52	93.8	444	6.6	2.4	14.72				
	293	59	85.8	412	6.7	2.1	13.18				
	332	66	77.0	368	7.0	2.3	11.63				
	34	6.7	499	761	1.1	1.0	115.05	SK 02040 - R100 U/Z - 56 C	65	1.1	5.00
	38	7.7	533	797	1.2	1.0	100.65				
	39	7.8	439	752	1.2	1.0	99.45				
	44	8.9	390	735	1.3	1.0	86.97				
	50	10.1	349	726	1.4	1.0	76.44				
	57	11.4	308	708	1.5	1.0	67.47				
	64	12.9	357	876	2.0	1.0	59.83				
	74	14.9	244	673	1.7	1.0	51.87				
	82	16	279	858	2.5	1.0	46.79				
	86	17	212	655	1.8	1.0	44.85				
	92	18	235	735	2.1	1.0	42.08				
	105	21	205	717	2.4	1.0	36.80				
	119	24	183	708	2.5	1.0	32.34				
	135	27	162	690	2.7	1.0	28.55				
	176	35	126	581	3.1	1.1	21.95				
	197	39	121	568	4.4	1.4	19.56				
	226	45	105	504	4.8	1.5	17.10				
	257	51	93.8	443	5.1	1.7	15.03				
	291	58	83.2	390	5.4	1.9	13.27				

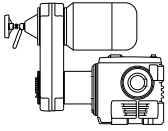
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.50	378	76	64.6	304	6.2	2.3	10.20	SK 02040 - R100 U/Z - 56 C	65	1.1	5.00
	437	87	55.8	266	6.7	2.6	8.82				
	514	103	49.6	235	5.4	1.9	7.51				
	582	116	43.4	210	5.9	2.1	6.63				
	758	152	33.6	161	6.6	2.5	5.09				
	877	175	29.2	141	7.0	2.8	4.40				
0.75	14.6	2.9	2071	2761	1.1	1.0	264.24	SK 12063 - R100 Z - 56 C	90	1.6	5.00
	17	3.5	1770	2744	1.3	1.0	223.17				
	20	3.9	1558	2717	1.4	1.0	195.86				
	21	4.2	1257	2929	1.7	1.0	183.60				
	24	4.8	1142	2885	1.7	1.0	162.18				
	27	5.3	1018	2841	1.9	1.0	144.33				
	33	6.5	862	2752	2.1	1.0	118.32				
	37	7.4	769	2699	2.2	1.0	104.04				
	42	8.4	693	2637	2.3	1.0	92.31				
	50	10.0	666	2505	2.6	1.0	77.40				
	56	11.3	596	2460	2.8	1.0	68.37				
	63	12.7	530	2354	3.0	1.0	60.85				
	77	15.0	440	1956	3.4	1.2	49.88				
	88	18	392	1743	3.6	1.3	43.86				
	99	20	348	1566	3.8	1.4	38.92				
	111	22	331	1522	4.1	1.4	34.89				
	135	27	272	1266	4.6	1.6	28.61				
	153	31	242	1106	4.9	1.8	25.15				
	173	35	214	1000	5.2	1.9	22.32				
	203	41	182	859	5.7	2.2	18.99				
	248	50	155	739	6.1	2.0	15.57				
	302	60	128	605	6.8	2.4	12.76				
	344	69	112	538	7.3	2.6	11.22				
	387	77	100	478	7.7	2.9	9.96				
	455	91	85.0	412	8.3	3.2	8.47				
	30	5.9	894	1381	1.1	1.0	130.05	SK 02050 - R100 U/Z - 56 C	82	1.6	5.00
	34	6.7	797	1363	1.2	1.0	114.75				
	42	8.3	656	1319	1.3	1.0	92.82				
	48	9.6	578	1283	1.4	1.0	80.58				
	59	11.8	554	1398	1.8	1.0	65.25				
	67	13.4	488	1372	2.0	1.0	57.38				
	76	15.0	435	1354	2.1	1.0	50.63				
	94	19	357	1310	2.4	1.0	40.95				
	109	22	310	1274	2.5	1.0	35.55				
	125	25	290	1221	2.9	1.0	30.94				
	142	28	255	1195	3.2	1.0	27.21				
	161	32	225	1062	3.4	1.1	24.01				
	199	40	184	868	3.8	1.3	19.42				
	229	46	160	753	4.1	1.5	16.86				
	262	52	142	666	4.4	1.6	14.72				
	293	59	129	618	4.5	1.4	13.18				
	332	66	115	551	4.7	1.6	11.63				
	410	82	93.8	446	5.3	1.8	9.41				
	472	94	81.4	388	5.7	2.1	8.17				
	541	108	70.8	342	6.1	2.3	7.13				
	64	12.9	535	876	1.4	1.0	59.83	SK 02040 - R100 U/Z - 56 C	65	1.6	5.00
	74	14.9	366	673	1.1	1.0	51.87				
	82	16	419	858	1.6	1.0	46.79				
	86	17	317	655	1.2	1.0	44.85				
	92	18	353	735	1.4	1.0	42.08				
	105	21	309	717	1.6	1.0	36.80				
	119	24	274	708	1.7	1.0	32.34				
	135	27	242	690	1.8	1.0	28.55				
	176	35	189	655	2.1	1.0	21.95				
	197	39	181	788	2.9	1.0	19.56				

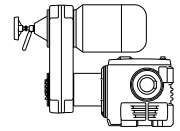
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. Ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
0.75	226	45	158	755	3.2	1.0	17.10	SK 02040 - R100 U/Z - 56 C	65	1.6	5.00
	257	51	141	664	3.4	1.1	15.03				
	291	58	125	586	3.6	1.3	13.27				
	378	76	96.5	456	4.1	1.5	10.20				
	437	87	84.1	399	4.4	1.7	8.82				
	514	103	73.5	352	3.6	1.3	7.51				
	582	116	65.5	314	3.9	1.4	6.63				
	758	152	49.6	242	4.5	1.7	5.09				
	877	175	43.4	212	4.7	1.8	4.40				
1.00	20	3.9	2071	2717	1.1	1.0	195.86	SK 12063 - R100 Z - 143 TC	104	2.1	5.00
	21	4.2	1673	2929	1.2	1.0	183.60				
	24	4.8	1531	2885	1.3	1.0	162.18				
	27	5.3	1363	2841	1.4	1.0	144.33				
	33	6.5	1151	2752	1.5	1.0	118.32				
	37	7.4	1027	2699	1.6	1.0	104.04				
	42	8.4	920	2637	1.7	1.0	92.31				
	50	10.0	885	2505	2.0	1.0	77.40				
	56	11.3	795	2460	2.1	1.0	68.37				
	63	12.7	707	2425	2.3	1.0	60.85				
	77	15.0	587	2345	2.5	1.0	49.88				
	88	18	523	2106	2.7	1.1	43.86				
	99	20	464	1903	2.9	1.2	38.92				
	111	22	442	1841	3.1	1.1	34.89				
	135	27	362	1531	3.5	1.3	28.61				
	153	31	322	1345	3.7	1.5	25.15				
	173	35	286	1212	3.9	1.6	22.32				
	203	41	243	1044	4.3	1.8	18.99				
	248	50	206	894	4.6	1.7	15.57				
	302	60	171	734	5.1	2.0	12.76				
	344	69	150	652	5.5	2.2	11.22				
	387	77	134	579	5.8	2.4	9.96				
	455	91	113	498	6.2	2.7	8.47				
	519	104	99.1	437	6.7	2.9	7.43				
	59	11.8	739	1398	1.4	1.0	65.25	SK 02050 - R100 U/Z - 143 TC	95	2.1	5.00
	67	13.4	650	1372	1.5	1.0	57.38				
	76	15.0	581	1354	1.6	1.0	50.63				
	94	19	476	1310	1.8	1.0	40.95				
	109	22	413	1274	1.9	1.0	35.55				
	125	25	387	1221	2.2	1.0	30.94				
	142	28	340	1195	2.4	1.0	27.21				
	161	32	300	1177	2.6	1.0	24.01				
	199	40	246	1053	2.9	1.1	19.42				
	229	46	213	912	3.1	1.2	16.86				
	262	52	189	806	3.3	1.3	14.72				
	293	59	173	749	3.3	1.2	13.18				
	332	66	154	668	3.5	1.3	11.63				
	410	82	125	541	4.0	1.5	9.41				
	472	94	108	470	4.3	1.7	8.17				
	541	108	94.7	414	4.6	1.9	7.13				
	82	16	558	858	1.2	1.0	46.79	SK 02040 - R100 U/Z - 143 TC	79	2.1	5.00
	92	18	471	735	1.1	1.0	42.08				
	105	21	412	717	1.2	1.0	36.80				
	119	24	366	708	1.3	1.0	32.34				
	135	27	323	690	1.3	1.0	28.55				
	176	35	252	655	1.5	1.0	21.95				
	197	39	242	788	2.2	1.0	19.56				
	226	45	212	770	2.4	1.0	17.10				
	257	51	188	752	2.5	1.0	15.03				
	291	58	165	710	2.7	1.0	13.27				
	378	76	129	552	3.1	1.3	10.20				
	437	87	112	483	3.3	1.4	8.82				

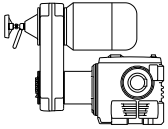
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
1.00	514	103	98.2	427	2.7	1.0	7.51	SK 02040 - R100 U/Z - 143 TC	79	2.1	5.00
	582	116	86.7	381	3.0	1.1	6.63				
	758	152	66.4	293	3.3	1.4	5.09				
	877	175	58.4	256	3.5	1.5	4.40				
1.50	37	7.4	1540	2699	1.1	1.0	104.04	SK 12063 - R100 Z - 145 TC	104	3.0	5.00
	42	8.4	1389	2637	1.1	1.0	92.31				
	50	10.0	1336	2505	1.3	1.0	77.40				
	56	11.3	1195	2460	1.4	1.0	68.37				
	63	12.7	1062	2425	1.5	1.0	60.85				
	77	15.0	881	2345	1.7	1.0	49.88				
	88	18	784	2106	1.8	1.1	43.86				
	99	20	696	1903	1.9	1.2	38.92				
	111	22	662	1841	2.1	1.1	34.89				
	135	27	543	1531	2.3	1.3	28.61				
	153	31	483	1345	2.5	1.5	25.15				
	173	35	428	1212	2.6	1.6	22.32				
	203	41	365	1044	2.8	1.8	18.99				
	248	50	309	894	3.1	1.7	15.57				
	302	60	257	734	3.4	2.0	12.76				
	344	69	226	652	3.6	2.2	11.22				
	387	77	200	579	3.8	2.4	9.96				
	455	91	170	498	4.2	2.7	8.47				
	519	104	150	437	4.4	2.9	7.43				
	34	5.7	1637	2814	1.1	1.0	118.32	SK 12063 - R150 U/Z - 145 TC	128	3.0	6.00
	39	6.5	1460	2761	1.1	1.0	104.04				
	44	7.3	1319	2699	1.2	1.0	92.31				
	52	8.7	1266	2540	1.4	1.0	77.40				
	59	9.9	1133	2505	1.5	1.0	68.37				
	67	11.1	1018	2469	1.5	1.0	60.85				
	81	13.6	847	2398	1.7	1.0	49.88				
	93	15.0	745	2345	1.8	1.0	43.86				
	104	17	669	2301	1.9	1.0	38.92				
	116	19	629	2142	2.1	1.0	34.89				
	142	24	516	2080	2.4	1.0	28.61				
	161	27	458	2027	2.5	1.0	25.15				
	182	30	407	1982	2.7	1.0	22.32				
	214	36	350	1841	2.9	1.0	18.99				
	261	43	294	1540	3.2	1.0	15.57				
	318	53	243	1319	3.5	1.1	12.76				
	362	60	214	1159	3.7	1.3	11.22				
	408	68	190	1035	4.0	1.4	9.96				
	479	80	162	883	4.3	1.6	8.47				
	546	91	142	784	4.6	1.7	7.43				
2.00	94	19	714	1310	1.2	1.0	40.95	SK 02050 - R100 U/Z - 145 TC	95	3.0	5.00
	109	22	620	1274	1.3	1.0	35.55				
	125	25	581	1221	1.4	1.0	30.94				
	142	28	511	1195	1.6	1.0	27.21				
	161	32	450	1177	1.7	1.0	24.01				
	199	40	368	1053	1.9	1.1	19.42				
	229	46	320	912	2.1	1.2	16.86				
	262	52	282	806	2.2	1.3	14.72				
	293	59	258	749	2.2	1.2	13.18				
	332	66	231	668	2.3	1.3	11.63				
	410	82	187	541	2.7	1.5	9.41				
	472	94	162	470	2.8	1.7	8.17				
	541	108	142	414	3.1	1.9	7.13				
2.50	197	39	363	788	1.5	1.0	19.56	SK 02040 - R100 U/Z - 145 TC	79	3.0	5.00
	226	45	317	770	1.6	1.0	17.10				
	257	51	282	752	1.7	1.0	15.03				
	291	58	249	710	1.8	1.0	13.27				

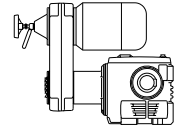
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. Ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High <i>n</i> ₂₁ [rpm]	Low <i>n</i> ₂₂ [rpm]	High <i>T</i> _{a1} [LB-IN.]	Low <i>T</i> _{a2} [LB-IN.]	High <i>f</i> _{B1}	Low <i>f</i> _{B2}				<i>I</i> _N [A]	<i>i</i> _{Regel}
1.50	378	76	194	552	2.1	1.3	10.20	SK 02040 - R100 U/Z - 145 TC	79	3.0	5.00
	437	87	167	483	2.2	1.4	8.82				
	514	103	148	427	1.8	1.0	7.51				
	582	116	130	381	2.0	1.1	6.63				
	758	152	100	293	2.2	1.4	5.09				
	877	175	87.6	256	2.3	1.5	4.40				
2.00	63	12.7	1416	2425	1.1	1.0	60.85	SK 12063 - R100 Z - 145 TC	104	3.4	5.00
	77	15.0	1177	2345	1.3	1.0	49.88				
	88	18	1044	2106	1.3	1.1	43.86				
	99	20	929	1903	1.4	1.2	38.92				
	111	22	883	1841	1.5	1.1	34.89				
	135	27	724	1531	1.7	1.3	28.61				
	153	31	643	1345	1.8	1.5	25.15				
	173	35	572	1212	2.0	1.6	22.32				
	203	41	486	1044	2.1	1.8	18.99				
	248	50	412	894	2.3	1.7	15.57				
	302	60	342	734	2.5	2.0	12.76				
	344	69	300	652	2.7	2.2	11.22				
	387	77	266	579	2.9	2.4	9.96				
	455	91	227	498	3.1	2.7	8.47				
	519	104	199	437	3.3	2.9	7.43				
	59	9.9	1513	2505	1.1	1.0	68.37	SK 12063 - R150 U/Z - 145 TC	128	3.4	6.00
	67	11.1	1363	2469	1.1	1.0	60.85				
	81	13.6	1133	2398	1.3	1.0	49.88				
	93	15.0	991	2345	1.4	1.0	43.86				
	104	17	894	2301	1.4	1.0	38.92				
	116	19	839	2142	1.6	1.0	34.89				
	142	24	688	2080	1.8	1.0	28.61				
	161	27	612	2027	1.9	1.0	25.15				
	182	30	543	1982	2.0	1.0	22.32				
	214	36	467	1841	2.2	1.0	18.99				
	261	43	392	1540	2.4	1.0	15.57				
	318	53	325	1319	2.6	1.1	12.76				
	362	60	286	1159	2.8	1.3	11.22				
	408	68	253	1035	3.0	1.4	9.96				
	479	80	215	883	3.2	1.6	8.47				
	546	91	189	784	3.4	1.7	7.43				
2.00	125	25	773	1221	1.1	1.0	30.94	SK 02050 - R100 U/Z - 145 TC	95	3.4	5.00
	142	28	681	1195	1.2	1.0	27.21				
	161	32	601	1177	1.3	1.0	24.01				
	199	40	491	1053	1.4	1.1	19.42				
	229	46	427	912	1.6	1.2	16.86				
	262	52	377	806	1.6	1.3	14.72				
	293	59	345	749	1.7	1.2	13.18				
	332	66	308	668	1.8	1.3	11.63				
	410	82	250	541	2.0	1.5	9.41				
	472	94	216	470	2.1	1.7	8.17				
	541	108	189	414	2.3	1.9	7.13				
2.00	197	39	483	788	1.1	1.0	19.56	SK 02040 - R100 U/Z - 145 TC	79	3.4	5.00
	226	45	423	770	1.2	1.0	17.10				
	257	51	376	752	1.3	1.0	15.03				
	291	58	332	710	1.4	1.0	13.27				
	378	76	258	552	1.5	1.3	10.20				
	437	87	223	483	1.7	1.4	8.82				
	514	103	196	427	1.4	1.0	7.51				
	582	116	173	381	1.5	1.1	6.63				
	758	152	134	293	1.7	1.4	5.09				
	877	175	117	256	1.7	1.5	4.40				

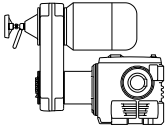
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio <i>i</i> _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
3.00	17	2.8	6992	12195	1.1	1.0	241.50	SK 32100 - R150 Z - 145 TC	236	4.8	6.00
	22	3.7	5540	11753	1.3	1.0	183.50				
	25	4.1	5000	10912	1.4	1.1	165.50				
	31	5.2	4000	8815	1.5	1.3	129.00				
	39	6.5	3275	7354	1.7	1.4	104.00				
	43	7.2	3275	8133	2.1	1.3	94.19				
	57	9.5	2549	6266	2.4	1.6	71.57				
	63	10.5	2301	5726	2.5	1.7	64.55				
	81	13.4	1814	4584	2.8	2.1	50.31				
	95	16	1602	4160	3.2	2.1	42.83				
	105	18	1443	3797	3.4	2.3	38.63				
	118	20	1248	3213	3.4	2.7	34.32				
	135	22	1133	3000	3.9	2.7	30.11				
	167	28	929	2443	4.2	3.2	24.27				
	198	33	784	2097	4.5	3.6	20.54				
	214	36	740	1982	4.9	2.3	18.97				
	237	40	667	1805	5.2	2.5	17.11				
	262	44	592	1602	5.1	4.3	15.52				
	304	51	520	1407	5.9	3.3	13.34				
	378	63	419	1151	6.5	4.0	10.75				
	15.0	2.5	7638	12355	1.1	1.0	241.50	SK 32100 - R196 U/Z - 182 TC	249	4.8	6.00
	20	3.3	6062	11930	1.2	1.0	183.50				
	22	3.7	5540	11753	1.3	1.0	165.50				
	28	4.7	4443	11284	1.5	1.0	129.00				
	35	5.9	3629	10824	1.6	1.0	104.00				
	39	6.5	3637	10673	1.9	1.0	94.19				
	51	8.5	2797	9558	2.3	1.1	71.57				
	57	9.4	2549	8620	2.4	1.2	64.55				
	73	12.1	2009	6903	2.7	1.4	50.31				
	85	14.2	1770	6345	3.1	1.4	42.83				
	95	16	1602	5726	3.2	1.5	38.63				
	107	18	1389	4832	3.2	1.9	34.32				
	122	20	1257	4514	3.7	1.9	30.11				
	151	25	1018	3682	4.1	2.2	24.27				
	178	30	870	3159	4.3	2.4	20.54				
	193	32	812	3018	4.7	1.5	18.97				
	214	36	740	2726	4.9	1.6	17.11				
	236	39	657	2443	4.9	2.9	15.52				
	274	46	577	2151	5.6	2.2	13.34				
	340	57	466	1752	6.2	2.7	10.75				
	402	67	394	1478	6.7	3.1	9.10	SK 12080 - R150 U/Z - 145 TC	179	4.8	6.00
	532	89	301	1133	7.4	3.9	7.19				
	51	8.6	2682	5292	1.3	1.0	78.91				
	61	10.2	2283	5160	1.4	1.0	66.44				
	70	11.6	2027	5027	1.5	1.0	58.27				
	78	13.0	1814	4558	1.6	1.1	52.03				
	91	15.0	1575	3965	1.7	1.2	44.72				
	107	18	1398	3637	2.0	1.2	37.91				
	127	21	1177	3098	2.2	1.4	31.92				
	145	24	1044	2717	2.3	1.6	27.99				
	162	27	929	2460	2.5	1.7	25.00				
	189	31	802	2142	2.6	1.9	21.49				
	212	35	713	1903	2.8	2.0	19.11				
	254	42	617	1664	3.1	1.7	15.98				
	290	48	541	1460	3.3	1.7	14.01	SK 12063 - R150 U/Z - 145 TC	157	4.8	6.00
	325	54	482	1301	3.5	1.8	12.51				
	378	63	415	1133	3.8	1.9	10.75				
	425	71	369	1009	4.0	2.0	9.56				
	538	90	295	805	4.4	2.1	7.55				
	116	19	1257	2142	1.1	1.0	34.89				
	142	24	1035	2080	1.2	1.0	28.61				
	161	27	920	2027	1.3	1.0	25.15				

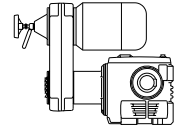
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

Pn [HP]	Output speed		Output torque		Service factor		Red. Ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
3.00	182	30	814	1982	1.3	1.0	22.32	SK 12063 - R150 U/Z - 145 TC	157	4.8	6.00
	214	36	701	1841	1.4	1.0	18.99				
	261	43	588	1540	1.6	1.0	15.57				
	318	53	487	1319	1.7	1.1	12.76				
	362	60	428	1159	1.9	1.3	11.22				
	408	68	380	1035	2.0	1.4	9.96				
	479	80	323	883	2.1	1.6	8.47				
	546	91	283	784	2.3	1.7	7.43				
5.00	14.8	2.5	14018	23718	1.1	1.0	247.69	SK 42125 - R196 Z - 184 TC only available with footed housing	368	7.6	6.00
	18	3.0	11726	21028	1.2	1.1	201.63				
	20	3.3	10602	19019	1.3	1.2	182.36				
	23	3.8	9470	17054	1.4	1.3	160.74				
	25	4.2	8646	15620	1.4	1.4	144.76				
	31	5.2	7107	13328	1.6	1.6	117.50				
	36	6.1	6160	11594	1.7	1.8	100.58				
	42	7.0	5823	11815	2.1	1.7	87.30				
	48	7.9	5133	10558	2.2	1.8	76.95				
	53	8.8	4673	9505	2.3	2.0	69.30				
	65	10.8	3841	7921	2.5	2.3	56.25				
	76	12.7	3283	6868	2.7	2.6	48.15				
	89	14.9	2797	5921	2.9	2.9	40.95				
	104	17	2496	5425	3.7	2.0	35.33				
	115	19	2248	4885	3.9	2.7	31.82				
	142	24	1841	4018	4.2	3.3	25.83				
	166	28	1575	3478	4.6	3.8	22.11				
	195	32	1345	2991	4.9	4.3	18.80				
	230	38	1159	2593	5.3	2.7	15.92				
	251	42	1035	2345	5.4	5.4	14.57				
7.50	39	6.5	6062	10673	1.2	1.0	94.19	SK 32100 - R196 U/Z - 184 TC	265	7.6	6.00
	51	8.5	4664	9558	1.4	1.1	71.57				
	57	9.4	4257	8620	1.4	1.2	64.55				
	73	12.1	3354	6903	1.6	1.4	50.31				
	85	14.2	2956	6345	1.8	1.4	42.83				
	95	16	2664	5726	1.9	1.5	38.63				
	107	18	2319	4832	1.9	1.9	34.32				
	122	20	2097	4514	2.2	1.9	30.11				
	151	25	1690	3682	2.5	2.2	24.27				
	178	30	1451	3159	2.6	2.4	20.54				
	193	32	1354	3018	2.8	1.5	18.97				
	214	36	1230	2726	3.0	1.6	17.11				
	236	39	1097	2443	2.9	2.9	15.52				
	274	46	965	2151	3.4	2.2	13.34				
	340	57	775	1752	3.7	2.7	10.75				
	402	67	656	1478	4.0	3.1	9.10				
	532	89	502	1133	4.4	3.9	7.19				
7.50	32	5.4	10452	20523	1.1	1.0	117.50	SK 42125 - R210 Z - 213 TC only available with footed housing	410	11	6.00
	38	6.3	8947	18143	1.1	1.1	100.58				
	43	7.2	8452	18204	1.4	1.1	87.30				
	49	8.2	7540	16266	1.5	1.2	76.95				
	55	9.1	6788	14647	1.6	1.3	69.30				
	67	11.2	5576	12204	1.7	1.5	56.25				
	78	13.1	4770	10585	1.9	1.7	48.15				
	92	15.0	4106	9116	2.0	1.9	40.95				
	107	18	3620	8363	2.5	1.3	35.33				
	119	20	3257	7531	2.6	1.8	31.82				
	146	24	2673	6186	2.9	2.1	25.83				
	171	28	2292	5354	3.1	2.4	22.11				
	201	34	1947	4611	3.3	2.8	18.80				
	237	40	1682	3991	3.6	1.8	15.92				
	259	43	1522	3611	3.6	3.5	14.57				

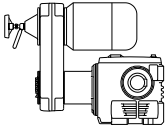
VARIABLE SPEED WORM GEARED MOTORS



TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

P _n [HP]	Output speed		Output torque		Service factor		Red. ratio i _{ges}	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}				I _N [A]	i _{Regel}
7.50	292	49	1372	3283	3.9	2.1	12.93	SK 42125 - R210 Z - 213 TC only available with footed housing	410	11	6.00
	342	57	1168	2805	4.2	2.4	11.06				
	402	67	1000	2416	4.5	2.8	9.41				
	75	12.5	4876	9638	1.1	1.0	50.31	SK 32100 - R210 Z - 213 TC	306	11	6.00
	88	14.7	4292	8868	1.2	1.0	42.83				
	98	16	3867	8726	1.3	1.0	38.63				
	110	18	3363	7540	1.3	1.2	34.32				
	126	21	3053	6956	1.5	1.2	30.11				
	156	26	2460	5673	1.7	1.4	24.27				
	184	31	2106	4859	1.8	1.6	20.54				
	199	33	1965	4646	1.9	1.0	18.97				
	221	37	1788	4195	2.0	1.1	17.11				
	244	41	1593	3761	2.0	1.9	15.52				
	283	47	1398	3310	2.3	1.4	13.34				
	352	59	1124	2699	2.5	1.7	10.75				
	415	69	956	2283	2.7	2.0	9.10				
	549	92	728	1743	3.0	2.6	7.19				
10.0	38	6.3	10142	18143	1.0	1.1	100.58	SK 42125 - R210 Z - 215 TC only available with footed housing	423	14	6.00
	43	7.2	11275	18204	1.1	1.1	87.30				
	49	8.2	10054	16266	1.1	1.2	76.95				
	55	9.1	9054	14647	1.2	1.3	69.30				
	67	11.2	7434	12204	1.3	1.5	56.25				
	78	13.1	6363	10585	1.4	1.7	48.15				
	92	15.0	5469	9116	1.5	1.9	40.95				
	107	18	4823	8363	1.9	1.3	35.33				
	119	20	4345	7531	2.0	1.8	31.82				
	146	24	3567	6186	2.2	2.1	25.83				
	171	28	3053	5354	2.3	2.4	22.11				
	201	34	2593	4611	2.5	2.8	18.80				
	237	40	2248	3991	2.7	1.8	15.92				
	259	43	2036	3611	2.7	3.5	14.57				
	292	49	1823	3283	3.0	2.1	12.93				
	342	57	1558	2805	3.2	2.4	11.06				
	402	67	1328	2416	3.4	2.8	9.41				
	110	18	4381	7540	1.0	1.2	34.32	SK 32100 - R210 Z - 215 TC	320	14	6.00
	126	21	4071	6956	1.1	1.2	30.11				
	156	26	3283	5673	1.2	1.4	24.27				
	184	31	2805	4859	1.3	1.6	20.54				
	199	33	2620	4646	1.4	1.0	18.97				
	221	37	2390	4195	1.5	1.1	17.11				
	244	41	2124	3761	1.5	1.9	15.52				
	283	47	1859	3310	1.7	1.4	13.34				
	352	59	1505	2699	1.9	1.7	10.75				
	415	69	1274	2283	2.0	2.0	9.10				
	549	92	974	1743	2.2	2.6	7.19				
15.0	78	13.1	8859	15116	1.0	1.2	48.15	SK 42125 - R250 Z - 254 TC	600	21	6.00
	92	15.0	8098	13018	1.0	1.3	40.95				
	107	18	7239	10744	1.2	1.0	35.33				
	119	20	6522	10762	1.3	1.2	31.82				
	146	24	5354	8841	1.4	1.5	25.83				
	171	28	4584	7655	1.5	1.7	22.11				
	201	34	3894	6584	1.6	2.0	18.80				
	237	40	3372	5699	1.8	1.2	15.92				
	259	43	3053	5160	1.8	2.4	14.57				
	292	49	2735	4682	2.0	1.5	12.93				
	342	57	2345	4009	2.1	1.7	11.06				
	402	67	1991	3443	2.2	2.0	9.41				

VARIABLE SPEED WORM GEARED MOTORS

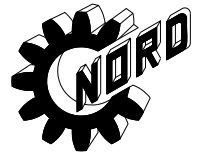


TITAN™ ADJUSTABLE SPEED BELT DRIVES SELECTIONS THREE PHASE

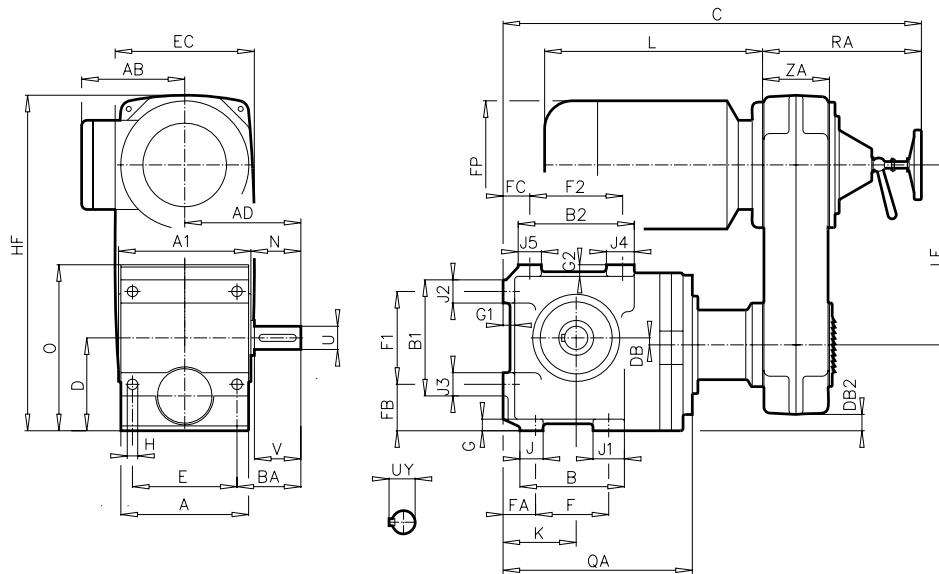
P _n [HP]	Output speed		Output torque		Service factor		Red. Ratio	Type	Weight approx. [Lbs]	(460 V)	
	High n ₂₁ [rpm]	Low n ₂₂ [rpm]	High T _{a1} [LB-IN.]	Low T _{a2} [LB-IN.]	High f _{B1}	Low f _{B2}	i _{ges}			I _N [A]	i _{Regel}
15.0	448	75	1788	3089	2.3	2.2	8.43	SK 42125 - R250 Z - 254 TC	600	21	6.00
	487	81	1646	2841	2.4	2.3	7.76				
	518	86	1558	2699	2.4	2.4	7.29				
	100	17	7708	10620	1.2	1.0	35.33	SK 42125 - R280 U/Z - 254 TC only available with footed housing	617	21	6.00
	112	19	6938	13204	1.3	1.0	31.82				
	137	23	5699	13125	1.4	1.0	25.83				
	161	27	4876	12222	1.5	1.1	22.11				
	189	31	4151	10514	1.6	1.2	18.80				
	223	37	3584	7000	1.7	1.0	15.92				
	244	41	3213	8239	1.8	1.5	14.57				
	275	46	2912	6876	1.9	1.0	12.93				
	321	53	2496	6399	2.0	1.1	11.06				
	377	63	2124	5505	2.2	1.2	9.41				
	421	70	1903	4929	2.3	1.4	8.43				
	457	76	1752	4540	2.4	1.4	7.76				
	487	81	1646	4266	2.4	1.5	7.29				
20.0	161	27	6505	12222	1.1	1.1	22.11	SK 42125 - R280 U/Z - 256 TC only available with footed housing	635	27	6.00
	189	31	5531	10514	1.2	1.2	18.80				
	223	37	4788	7000	1.3	1.0	15.92				
	244	41	4283	8239	1.3	1.5	14.57				
	275	46	3885	6876	1.4	1.0	12.93				
	321	53	3328	6399	1.5	1.1	11.06				
	377	63	2832	5505	1.6	1.2	9.41				
	421	70	2531	4929	1.7	1.4	8.43				
	457	76	2328	4540	1.8	1.4	7.76				
	487	81	2195	4266	1.8	1.5	7.29				

NOTES

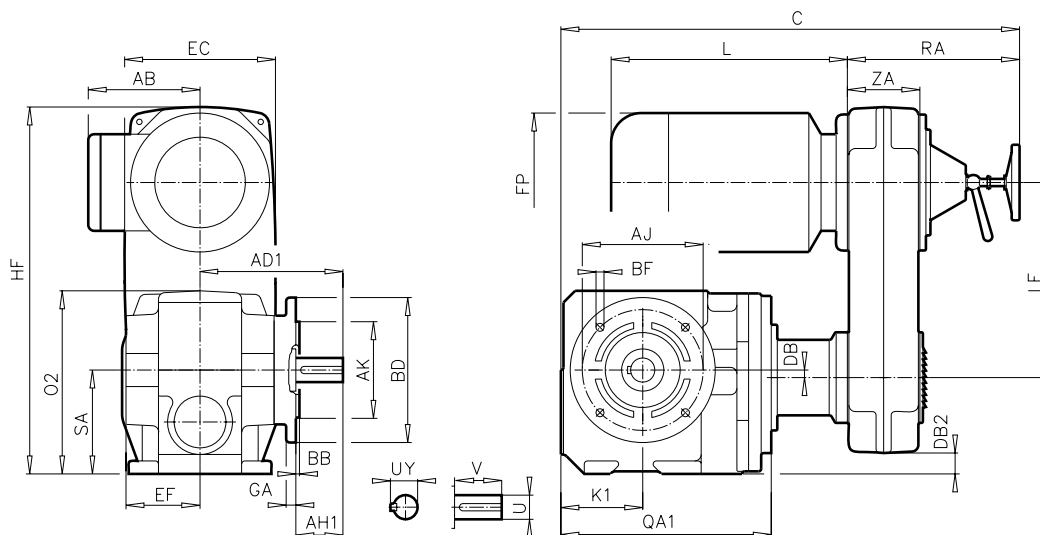
VARIABLE SPEED WORM GEARED MOTORS



U - DESIGN, FOOT MOUNTED OR FLANGE MOUNTED, DOUBLE REDUCTION



Type	Gear reducer dimensions												Outline dimensions				Motor dimensions			Shaft dimensions		
	A	B	B2	E	FA	F1	G1	J	J3	K	QA		C	DB2	HF	RA				U	UY	V
	A1	BA	D		FB	F2	G2	J1	J4	N							AB	FP	L	Key		
SK 02040 - R 100 U - 56 C - 143 TC - 145 TC	4.33	3.41	3.94	3.54	1.10	3.15	0.39	0.79	0.79	2.48	6.65		18.58	0.30	12.66	9.33	5.30	7.20	9.30	0.750	0.83	1.57
	4.72	2.16	3.15		1.57	3.15	0.39	1.06	0.94	1.69				5.98	6.69	3.46	5.30	7.20	10.30	3/16 x 3/16 x 1		
	3.94	3.94	0.02	2.48	0.90	0.39	0.35	0.79	0.79	5.36							5.30	7.20	11.30			



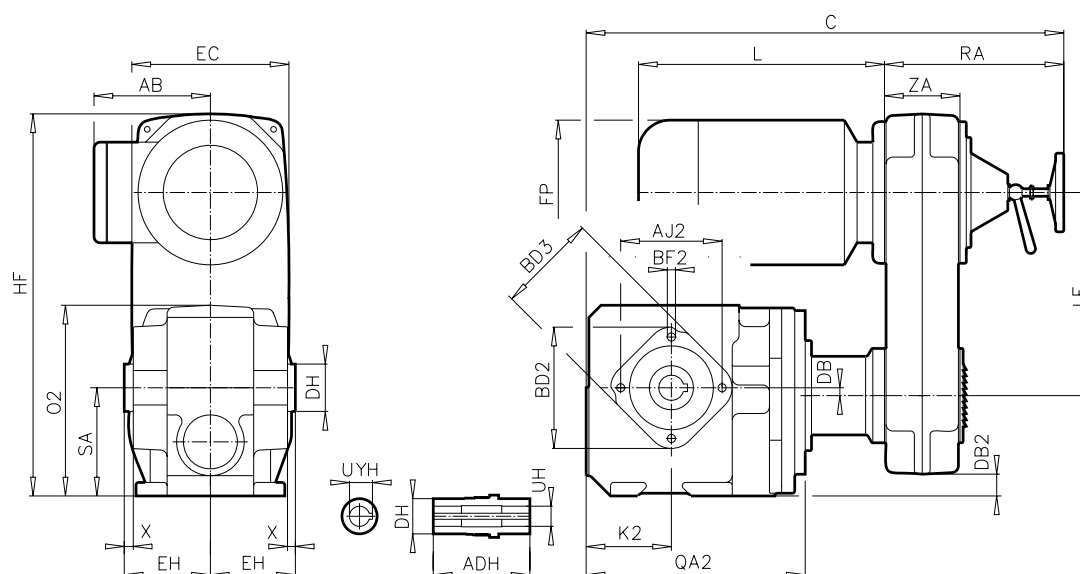
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AD1	DB	EF	O2	SA	C	DB2	HF	RA				U	UY	V
	AK	BD	GA	AH1		K1	QA1						AB	FP	L	Key		
SK 02040 F - R 100 U - 56 C - 143 TC - 145 TC	3.94	0.12	0.26	4.53	0.02	2.24	5.63	3.23								0.750	0.83	1.57
	3.150	4.72	0.32	1.57		2.48	6.65		18.58	0.38	12.74	9.33	5.30	7.20	9.30	3/16 x 3/16 x 1		
	Or									5.98	6.69	3.46	5.30	7.20	10.30			
	5.12	0.14	0.35										5.30	7.20	11.30			
	4.331	6.30	0.39															

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



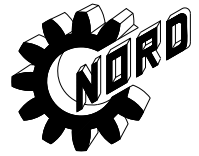
U -DESIGN, SHAFT MOUNTED, DOUBLE REDUCTION



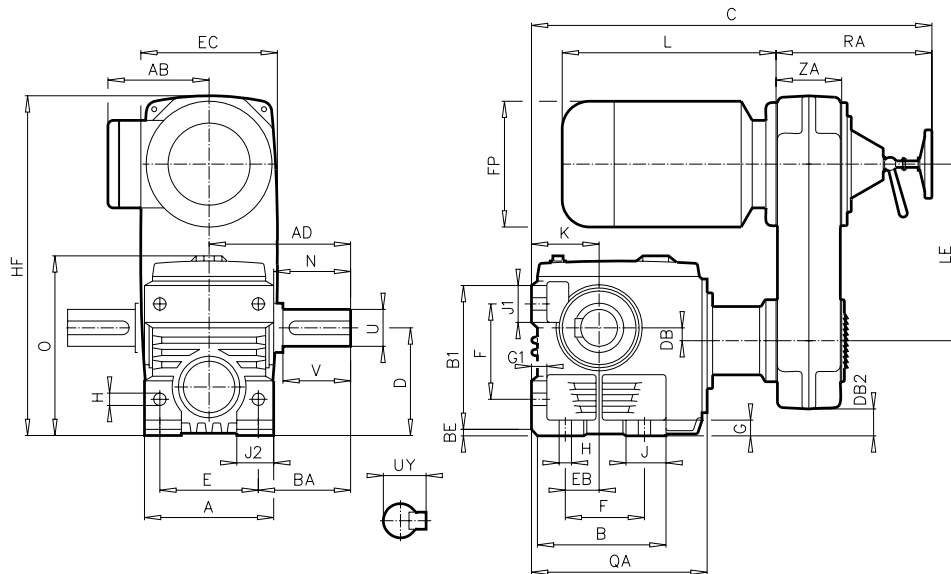
Type	Gear reducer dimensions					Outline dimensions				Motor dimensions			Shaft dimensions			
	AJ2	BD3	DB	K2	QA2	C	DB2	HF	RA	AB	FP	L	ADH	DH	UH	UYH
	BD2	BF2	EH	O2	SA	EC			LE				ZA	Key		
SK 02040 A	2.95	2.91	0.02	2.48	6.65	18.58 0.38 12.74 9.33 5.98 6.69 3.46				5.30 7.20 9.30 5.30 7.20 10.30 5.30 7.20 11.30			4.72	1.38	0.750	0.84
- R 100 U - 56 C	3.54	M6x10	2.36	5.63	3.23								3/16 x 3/16 x 1			
- 143 TC - 145 TC																

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



U-DESIGN, FOOT MOUNTED, DOUBLE REDUCTION



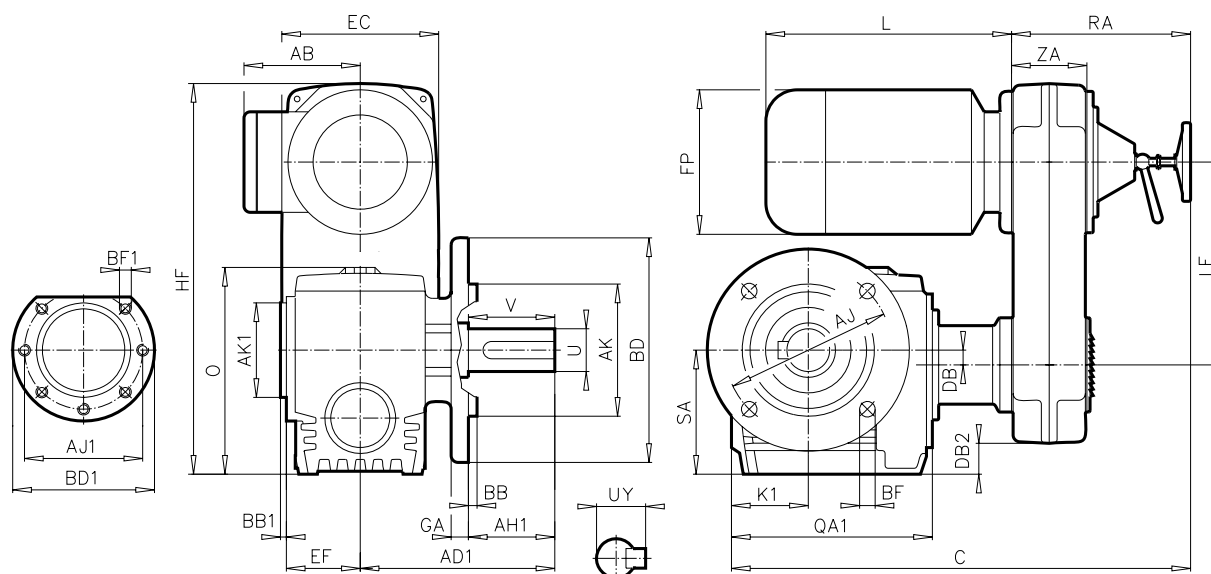
Type	Gear reducer dimensions											Outline dimensions				Motor dimensions			Shaft dimensions		
	A	B	BE	D	E	EB	G	H	J1	K	O	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AD	BA	B1	DB		F	G1	J	J2	N	QA		EC	LE	ZA				Key		
SK 02050	4.80	4.72	1.38	3.94	3.94	1.38	0.55	0.43	1.38	2.95	6.50								1.000	1.11	2.12
- R 100 U - 56 C	4.68	2.74	4.49	0.30		3.15	0.55	1.38	1.34	2.28	7.28	19.52	0.81	13.17	9.33	5.30	7.20	9.30	1/4 x 1/4 x 1-5/8		
- 143 TC													5.98	6.69	3.46	5.30	7.20	10.30			
- 145 TC																5.30	7.20	11.30			
SK 12063	5.43	5.51	1.38	4.41	4.33	1.77	0.63	0.43	1.58	3.15	7.40								1.250	1.36	2.75
- R 150 U - 145 TC	5.66	3.50	5.51	0.51		3.94	0.63	1.58	1.42	2.95	7.87	23.03	-0.04	16.57	10.43	5.30	7.20	11.30	1/4 x 1/4 x 2-1/4		
													8.19	8.74	4.17						
SK 12080	6.30	7.01	1.58	5.51	5.12	2.36	0.79	0.55	1.58	3.94	8.98								1.375	1.51	2.75
- R 150 U - 145 TC	6.30	3.74	6.69	0.75		5.12	0.79	1.58	1.58	2.99	9.49	24.65	0.82	17.44	10.43	5.30	7.20	11.30	5/16x5/16 x2-1/8		
													8.19	8.74	4.17						
SK 32100	7.48	7.28	2.76	7.09	5.91	2.95	1.10	0.71	1.89	4.92	11.38								1.875	2.09	3.50
- R 196 U - 182 TC	7.63	4.68	7.21	0.95		5.32	0.98	1.97	1.97	3.70	11.34	28.43	1.42	21.02	12.60	5.90	8.50	12.30	1/2 x 1/2 x 2-3/4		
- 184 TC													9.84	10.16	5.04	5.90	8.50	14.00			
SK 42125	9.84	9.53	3.23	8.86	7.87	3.62	1.34	0.87	2.36	5.91	13.90								2.375	2.65	4.50
- R 280 U - 254 TC	9.81	5.88	9.45	1.54		7.09	1.18	2.75	2.36	4.82	13.86	35.28	0.23	27.99	16.50	9.70	13.30	18.20	5/8 x 5/8 x 3-1/2		
- 256 TC													14.09	13.58	7.01	9.70	13.30	20.00			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



U-DESIGN, FLANGE MOUNTED, DOUBLE REDUCTION



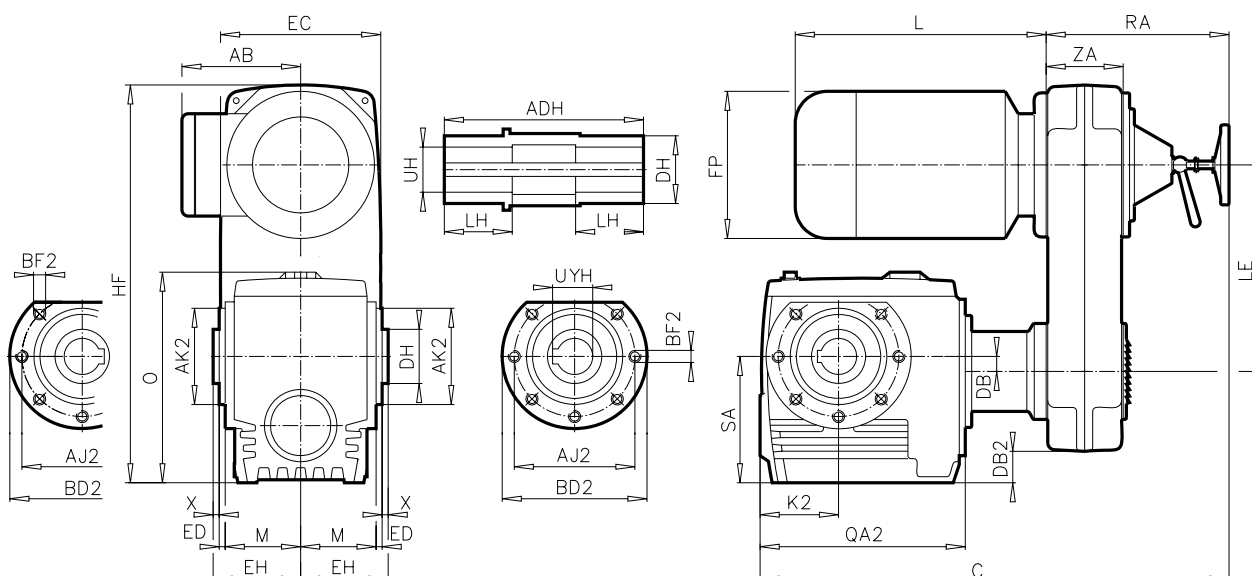
Type	Gear reducer dimensions										Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AJ1	BB1	BF1	AD1	DB	K1	QA1	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	AK1	BD1		AH1	EF	O	SA		EC	LE	ZA				Key		
SK 02050 F	5.12	0.16	0.35	4.53	0.12	M8x	5.47	0.30	2.76	7.09								1.000	1.11	2.12
- R 100 U - 56 C	4.331	6.30	0.39	3.740	5.20	13	2.12	2.36	6.93	3.94	19.33	0.81	13.17	9.33	5.30	7.20	9.30	1/4 x 1/4 x 1-5/8		
- 143 TC												5.98	6.69	3.46	5.30	7.20	10.30			
- 145 TC												5.30	7.20	11.30	5.30	7.20	11.30			
SK 12063 F	6.50	0.16	0.43	4.53	0.12	M8x	6.53	0.51	2.95	7.72								1.250	1.36	2.75
- R 150 U - 145 TC	5.118	7.87	0.47	3.740	5.51	13	2.75	2.64	7.84	4.76	22.88	0.31	16.93	10.43	5.30	7.20	11.30	1/4 x 1/4 x 2-1/4		
												8.19	8.74	4.17						
SK 12080 F	6.50	0.16	0.43	6.50	0.16	M10x	7.24	0.75	3.98	9.53								1.375	1.51	2.75
- R 150 U - 145 TC	5.118	7.87	0.47	5.118	7.56	16	2.75	2.95	9.88	5.75	24.69	1.06	17.68	10.43	5.30	7.20	11.30	5/16 x5/16 x2-1/8		
												8.19	8.74	4.17						
SK 32100 F	8.47	0.16	0.55	8.47	0.16	M12x	9.09	0.95	4.80	11.22								1.875	2.09	3.50
- R 196 U - 182 TC	7.087	9.84	0.63	7.087	9.37	20	3.50	3.62	12.24	7.17	28.31	1.50	21.10	12.60	5.90	8.50	12.30	1/2 x 1/2 x 2-3/4		
- 184 TC												9.84	10.16	5.04	5.90	8.50	14.00			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



U -DESIGN, SHAFT MOUNTED, DOUBLE REDUCTION

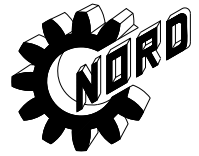


Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions				
	AJ2	BD2	ED	DB	EH	M	QA2	C	DB2	HF	RA	AB	FP	L	ADH	DH	LH	UH	UYH
	AK2	BF2			K2	O	SA	EC	LE	ZA									
SK 02050 A	4.53	5.20	0.12	0.30	2.60	2.76	7.09								5.20	1.77	1.77	1.188	1.30
- R 100 U - 56 C	3.740	M8x13			2.76	6.93	3.94	19.33	0.81	13.17	9.33	5.30	7.20	9.30	1/4 x 1/4 x 3-1/4				
- 143 TC								5.98	6.69	3.46		5.30	7.20	10.30					
- 145 TC								5.30	7.20	11.30		5.30	7.20	11.30					
SK 12063 A	4.53	5.51	0.12	0.51	2.92	2.95	7.72								5.83	1.97	1.90	1.438	1.54
- R 150 U - 145 TC	3.740	M8x13			2.64	7.84	4.76	22.88	0.31	16.93	10.43	5.30	7.20	11.30	3/8 x 1/4 x 4				
								8.19	8.74	4.17									
SK 12080 A	6.50	7.56	0.16	0.75	3.31	3.98	9.53								6.61	2.56	2.17	1.813	1.90
- R 150 U - 145 TC	5.118	M10x16			2.95	9.88	5.75	24.69	1.06	17.68	10.43	5.30	7.20	11.30	1/2 x 3/8 x 5-1/4				
								8.19	8.74	4.17									
SK 32100 A	8.47	9.37	0.16	0.95	3.98	4.80	11.22								7.95	3.35	2.76	2.438	2.62
- R 196 U - 182 TC	7.087	M12x20			3.62	12.24	7.17	28.31	1.50	21.10	12.60	5.90	8.50	12.30	5/8 x 7/16 x 5-1/2				
- 184 TC								9.84	10.16	5.04		5.90	8.50	14.00					

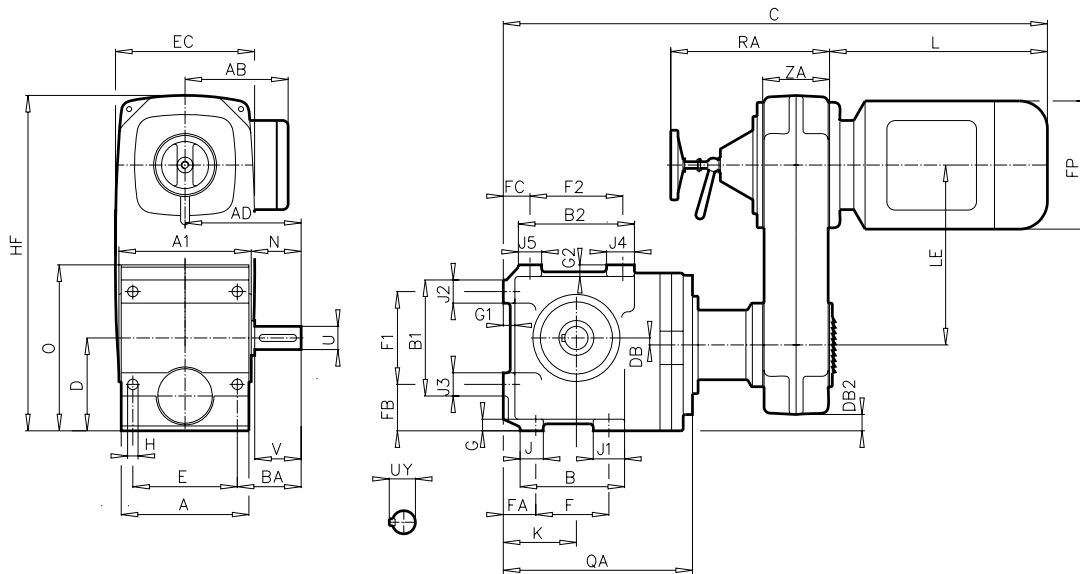
Technical design may be subject to change. DXF files available upon request.

NOTES

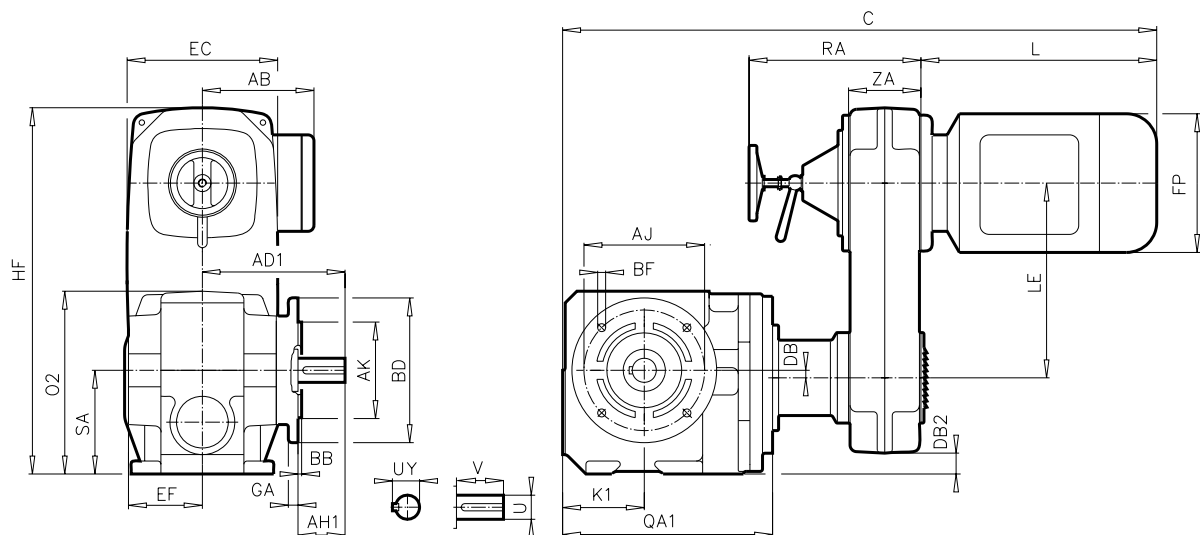
VARIABLE SPEED WORM GEARED MOTORS



Z-DESIGN, FOOT MOUNTED OR FLANGE MOUNTED, DOUBLE REDUCTION



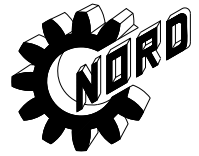
Type	Gear reducer dimensions											Outline dimensions				Motor dimensions			Shaft dimensions		
	A	B	B2	E	FA	F1	G1	J	J3	K	QA	C	DB2	HF	RA	AB	FP	L	U	UY	V
	A1	BA	D	F	FB	F2	G2	J1	J4	N	O										
	AD	B1	DB	F	FC	G	H	J2	J5	O								Key			
SK 02040	4.33	3.41	3.94	3.54	1.10	3.15	0.39	0.79	0.79	2.48	6.65								0.750	0.83	1.57
- R 100 Z - 56 C - 143 TC - 145 TC	4.72	2.16	3.15		1.57	3.15	0.39	1.06	0.94	1.69		22.01	0.30	12.66	9.33	5.30	7.20	9.30			
	3.94	3.94	0.02	2.48	0.90	0.39	0.35	0.79	0.79	5.36		23.01	5.98	6.69	3.46	5.30	7.20	10.30	3/16 x 3/16 x 1		
												24.01				5.30	7.20	11.30			



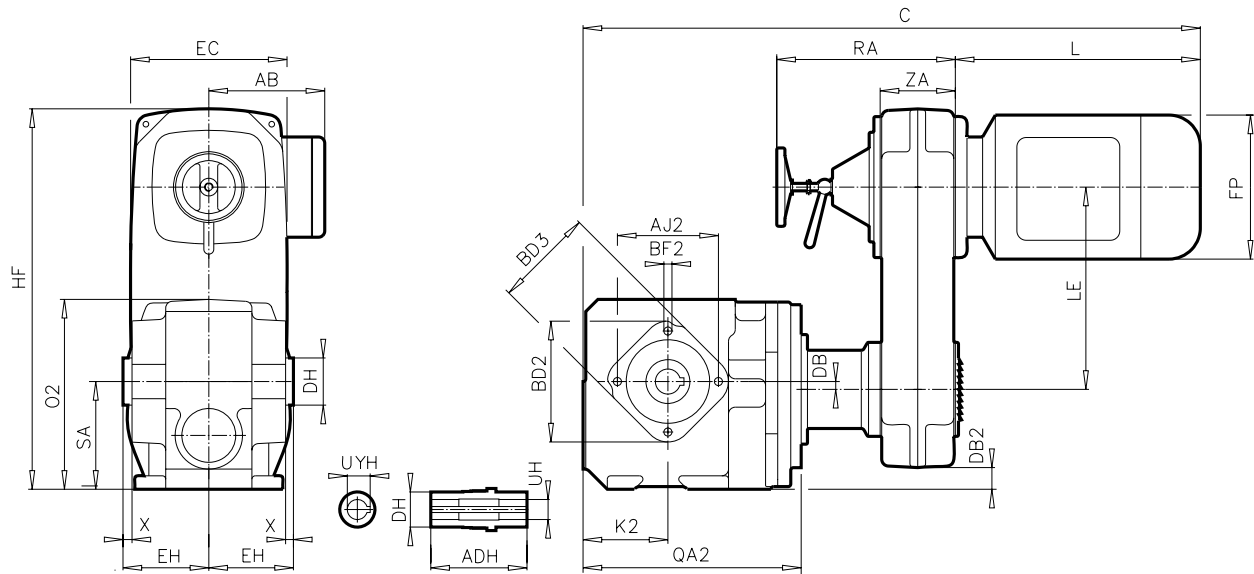
Type	Gear reducer dimensions								Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AD1	DB	EF	O2	SA	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	AH1		K1	QA1		EC	LE	ZA						Key	
SK 02040 F	3.94	0.12	0.26	4.53	0.02	2.24	5.63	3.23								0.750	0.83	1.57
- R 100 Z - 56 C - 143 TC - 145 TC	3.150	4.72	0.32	1.57		2.48	6.65		22.01	0.38	12.74	9.33	5.30	7.20	9.30	3/16 x 3/16 x 1		
	or								23.01	5.98	6.69	3.46	5.30	7.20	10.30			
	5.12	0.14	0.35						24.01				5.30	7.20	11.30			
	4.331	6.30	0.39															

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



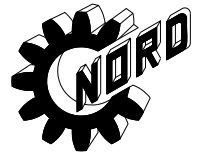
Z-DESIGN, SHAFT MOUNTED, DOUBLE REDUCTION



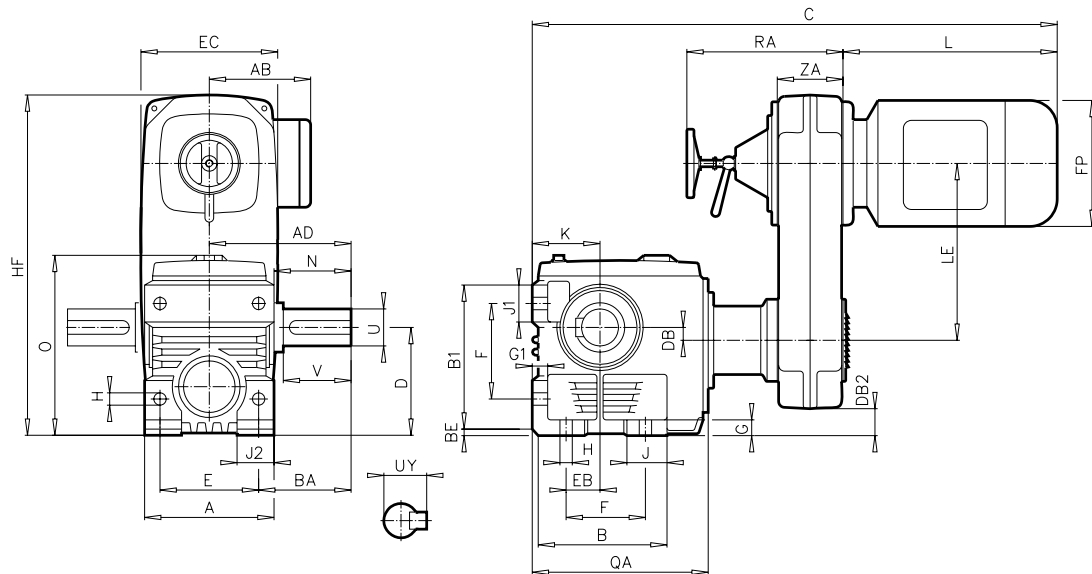
Type	Gear reducer dimensions					Outline dimensions				Motor dimensions			Shaft dimensions			
	AJ2	BD3	DB	K2	QA2	C	DB2	HF	RA	AB	FP	L	ADH	DH	UH	UYH
SK 02040 A - R 100 U - 56 C - 143 TC - 145 TC	BD2	BF2	EH	O2	SA	EC	LE	ZA					Key			
	2.95	2.91	0.02	2.48	6.65	22.01	0.38	12.74	9.33	5.30	7.20	9.30	4.72	1.38	0.750	0.84
	3.54	M6x10	2.36	5.63	3.23	23.01	5.98	6.69	3.46	5.30	7.20	10.30	3/16 x 3/16 x 1			
						24.01				5.30	7.20	11.30				

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED WORM GEARED MOTORS



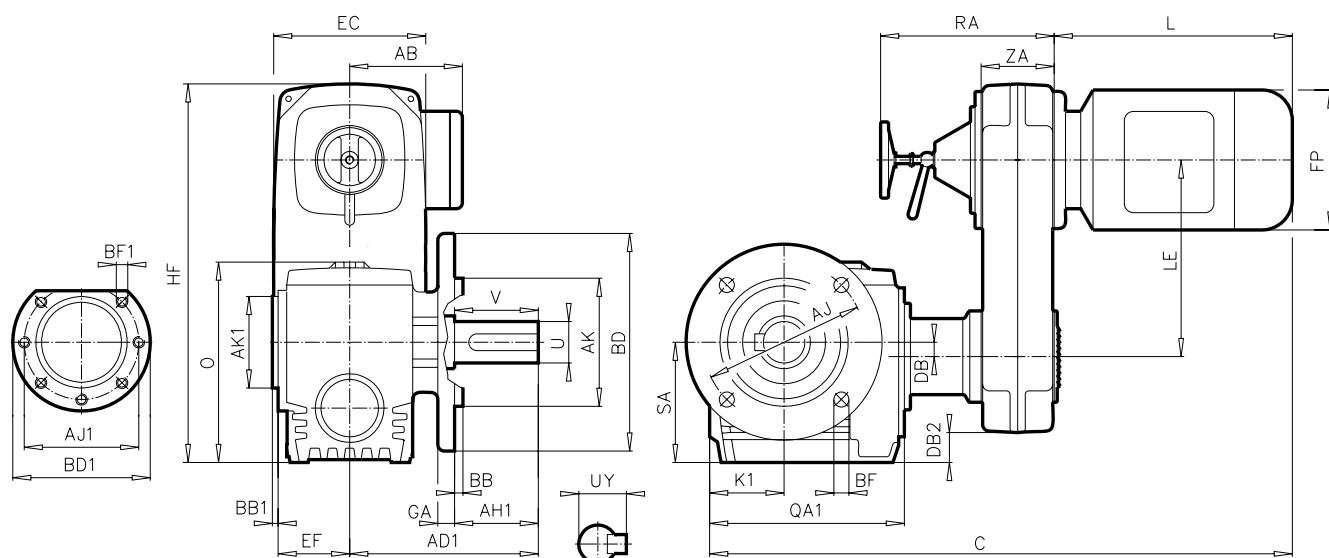
Z-DESIGN, FOOT MOUNTED, DOUBLE REDUCTION



Type	Gear reducer dimensions											Outline dimensions				Motor dimensions			Shaft dimensions		
	A	B	BE	D	E	G	H	J1	K	O	C	DB2	HF	RA	AB	FP	L	U	UY	V	
	AD	BA	B1	DB	EB F	G1	J	J2	N	QA											EC
SK 02050 - R 100 Z - 56 C - 143 TC - 145 TC	4.80	4.72	1.38	3.94	3.94 1.38	0.55	0.43	1.38	2.95	6.50	22.96 23.96 24.96	0.81 5.98	13.17 6.69	9.33 3.46	5.30 5.30 5.30	7.20 7.20 7.20	9.30 10.30 11.30	1.000	1.11	2.12 1/4 x 1/4 x 1-5/8	
	4.68	2.74	4.49	0.30	3.15	0.55	1.38	1.34	2.28	7.28											
SK 12063 - R 100 Z - 56 C - 143 TC - 145 TC - R 150 Z - 145 TC	5.43	5.51	1.38	4.41	4.33 1.77	0.63	0.43	1.58	3.15	7.40	23.55 24.55 25.55	1.07 5.98	13.43 6.69	9.33 3.46	5.30 5.30 5.30	7.20 7.20 7.20	9.30 10.30 11.30	1.250	1.36	2.75 1/4 x 1/4 x 2-1/4	
	5.66	3.50	5.51	0.51	3.94	0.63	1.58	1.42	2.95	7.87											
SK 12080 - R 150 Z - 145 TC	6.30	7.01	1.58	5.51	5.12 2.36	0.79	0.55	1.58	3.94	8.98	29.69 8.19	0.82 8.74	17.44 8.74	10.43 4.17	5.30	7.20	11.30	1.375	1.51	2.75 5/16 x5/16 x2-1/8	
	6.30	3.74	6.69	0.75	5.12	0.79	1.58	1.58	2.99	9.49											
SK 32100 - R 150 Z 145 TC - R 196 Z - 182 TC - 184 TC - R 210 Z - 213 TC - 215 TC	7.48	7.28	2.76	7.09	5.91 2.95	1.10	0.71	1.89	4.92	11.38	31.30 8.19	2.20 8.74	18.82 8.74	10.43 4.17	5.30	7.20	11.30	1.875	2.09	3.50 1/2 x 1/2 x 2-3/4	
	7.63	4.68	7.21	0.95	5.32	0.98	1.97	1.97	3.70	11.34											
SK 42125 - R 196 Z - 184 TC - R 210 Z - 213 TC - 215 TC - R 250 Z - 254 TC - R 280 Z - 254 TC - 256 TC	9.84	9.53	3.23	8.86	7.87 3.62	1.34	0.87	2.36	5.91	13.90	37.78 9.84	2.60 10.16	22.20 5.04	12.60 5.04	5.90	8.50	14.00	2.375	2.65	4.50 5/8 x 5/8 x 3-1/2	
	9.81	5.88	9.45	1.54	7.09	1.18	2.75	2.36	4.82	13.86											

Technical design may be subject to change. DXF files available upon request.

Z-DESIGN, FLANGE MOUNTED, DOUBLE REDUCTION



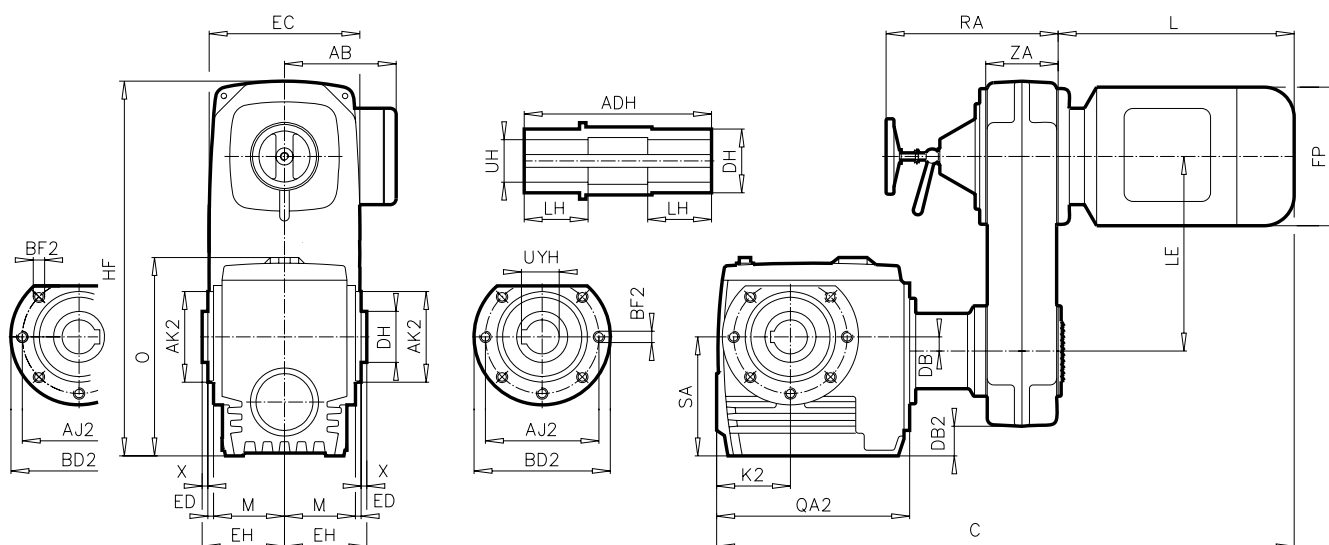
Type	Gear reducer dimensions										Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AJ1	BB1	BF1	AD1	DB	K1	QA1	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	AK1	BD1		AH1	EF	O	SA		EC	LE	ZA				Key		
SK 02050 F	5.12 4.331	0.16 6.30	0.35 0.39	4.53 3.740	0.12 5.20	M8x 13	5.47 2.12	0.30 2.36	2.76 6.93	7.09 3.94								1.000	1.11	2.12
- R 100 Z - 56 C - 143 TC - 145 TC											22.77 23.77 24.77	0.81 5.98	13.17 6.69	9.33 3.46	5.30 5.30 5.30	7.20 7.20 7.20	9.30 10.30 11.30	1/4 x 1/4 x 1-5/8		
SK 12063 F	6.50 5.118	0.16 7.87	0.43 0.47	4.53 3.740	0.12 5.51	M8x 13	6.53 2.75	0.51 2.64	2.95 7.84	7.72 4.76								1.250	1.36	2.75
- R 100 Z - 56 C - 143 TC - 145 TC											23.40 24.40 25.40	1.42 5.98	13.78 6.69	9.33 3.46	5.30 5.30 5.30	7.20 7.20 7.20	9.30 10.30 11.30	1/4 x 1/4 x 2-1/4		
- R 150 Z - 145 TC											27.92 8.19	0.31 8.74	16.93 4.17	10.43	5.30	7.20	11.30			
SK 12080 F	6.50 5.118	0.16 7.87	0.43 0.47	6.50 5.118	0.16 7.56	M10x 16	7.24 2.75	0.75 2.95	3.98 9.88	9.53 5.75								1.375	1.51	2.75
- R 150 Z - 145 TC											29.73 8.19	1.06 8.74	17.68 4.17	10.43	5.30	7.20	11.30	5/16 x5/16 x2-1/8		
SK 32100 F	8.47 7.087	0.16 9.84	0.55 0.63	8.47 7.087	0.16 9.37	M12x 20	9.09 3.50	0.95 3.62	4.80 12.24	11.22 7.17								1.875	2.09	3.50
- R 150 Z - 145 TC											31.18 8.19	2.28 8.74	18.90 4.17	10.43	5.30	7.20	11.30	1/2 x 1/2 x 2-3/4		
- R 196 Z - 182 TC - 184 TC											33.05 34.75	1.50 9.84	21.10 10.16	12.60 5.04	5.90 5.90	8.50 8.50	12.30 14.00			
- R 210 Z - 213 TC - 215 TC											36.82 37.91	1.10 10.63	21.65 10.31	13.23 5.51	7.40 7.40	10.30 10.30	15.60 16.70			
SK 42125 F	11.81 9.843	0.20 13.78	0.71 0.79	10.43 9.055	0.16 11.42	M12x 20	11.86 4.50	1.54 4.53	5.91 15.08	13.86 8.74								2.375	2.65	4.50
- R 250 Z - 254 TC											43.32 12.44	1.10 12.36	25.67 6.34	15.59	9.70	13.30	18.20	5/8 x 5/8 x 3-1/2		
- R 280 Z - 254 TC - 256 TC											43.99 45.79	0.11 14.09	27.87 13.58	16.50 7.01	9.70 9.70	13.30 13.30	18.20 20.00			

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VARIABLE SPEED WORM GEARED MOTORS



Z-DESIGN, SHAFT MOUNTED, DOUBLE REDUCTION



Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions				
	AJ2	BD2	ED	DB	EH	M	QA2	C	DB2	HF	RA	AB	FP	L	ADH	DH	LH	UH	UYH
	AK2	BF2			K2	O	SA	EC	LE	ZA					Key				
SK 02050 A	4.53	5.20	0.12	0.30	2.60	2.76	7.09								5.20	1.77	1.77	1.188	1.30
- R 100 Z - 56 C	3.740	M8x13			2.76	6.93	3.86	22.77	0.81	13.17	9.33	5.30	7.20	9.30	1/4 x 1/4 x 3-1/4				
- 143 TC								23.77	5.98	6.69	3.46	5.30	7.20	10.30					
- 145 TC								24.77				5.30	7.20	11.30					
SK 12063 A	4.53	5.51	0.12	0.51	2.92	2.95	7.72								5.83	1.97	1.90	1.438	1.54
- R 100 Z - 56 C	3.740	M8x13			2.64	7.84	4.76	23.40	1.42	13.78	9.33	5.30	7.20	9.30	3/8 x 1/4 x 4				
- 143 TC								24.40	5.98	6.69	3.46	5.30	7.20	10.30					
- 145 TC								25.40				5.30	7.20	11.30					
- R 150 Z - 145 TC								27.92	0.31	16.93	10.43	5.30	7.20	11.30					
					8.19	8.74	4.17												
SK 12080 A	6.50	7.56	0.16	0.75	3.31	3.98	9.53								6.61	2.56	2.17	1.813	1.90
- R 150 Z - 145 TC	5.118	M10x16			2.95	9.88	5.75	29.73	1.06	17.68	10.43	5.30	7.20	11.30	1/2 x 3/8 x 5-1/4				
								8.19	8.74	4.17									
SK 32100 A	8.47	9.37	0.16	0.95	3.98	4.80	11.22								7.95	3.35	2.76	2.438	2.62
- R 150 Z - 145 TC	7.087	M12x20			3.62	12.24	7.17	31.18	2.28	18.90	10.43	5.30	7.20	11.30	5/8 x 7/16 x 5-1/2				
								8.19	8.74	4.17									
- R 196 Z - 182 TC								33.05	1.50	21.10	12.60	5.90	8.50	12.30					
- 184 TC								34.75	9.84	10.16	5.04	5.90	8.50	14.00					
- R 210 Z - 213 TC								36.82	1.10	21.65	13.23	7.40	10.30	15.60					
- 215 TC								37.92	10.63	10.31	5.51	7.40	10.30	16.70					
SK 42125 A	10.43	11.42	0.16	1.54	4.92	5.91	13.86								9.84	3.74	3.35	2.750	3.03
- R 250 Z - 254 TC	9.055	M12x20			4.53	15.08	8.74	43.32	1.10	25.67	15.59	9.70	13.30	18.20	5/8 x 5/8 x 8				
								12.44	12.36	6.34									
- R 280 Z - 254 TC								43.99	0.11	27.87	16.50	9.70	13.30	18.20					
- 256 TC								45.79	14.09	13.58	7.01	9.70	13.30	20.00					

Technical design may be subject to change. DXF files available upon request.

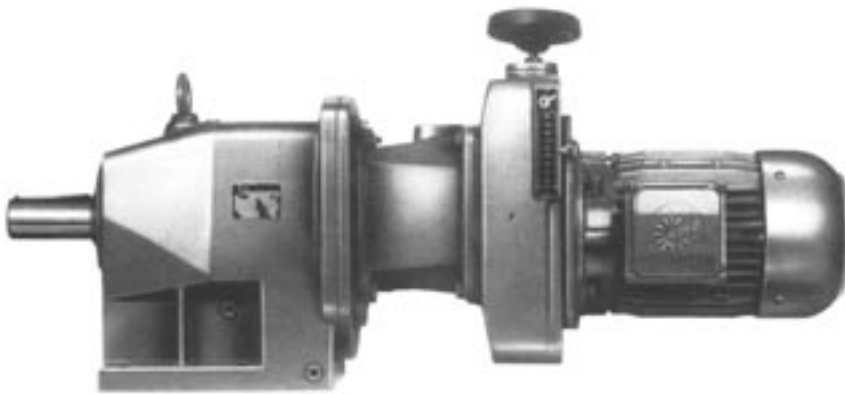
NOTES

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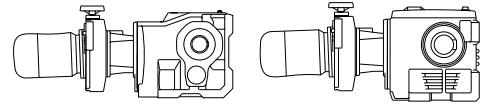
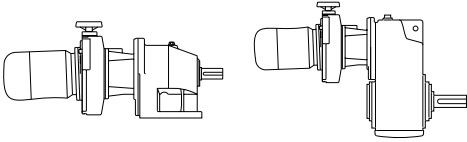
NOTES

NOTES

FRICTION DRIVES



EXPLANATORY NOTES



Performance Specifications

- 1/4 to 7.5 HP
- Output torques to 48500 lb.in.
- 7:1 adjustable speed range.

Ease of Maintenance

Standard C - Face NEMA motor can be adapted to most electrical or environmental requirements. No lubrication required. Only one component requires replacement.

Long Service Life

Gearcases are SAE 30 gray cast iron with internal reinforcements for strength and rigidity. This unique design eliminates the oil leakage, oil contamination and gear set misalignment problems common to drives with bolt-on output covers or flanges.

Features

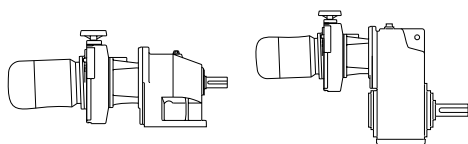
1. Motor mounting does not require drive disassembly - An exclusive Nord benefit
2. Readily available from stock
3. No installation adjustments
4. Field adjustable speed stops
5. Fast replacement of friction disc

Options

1. Electric remote control
2. Washdown service
3. Dairy service with fixed tamper proof speed stops
4. Electric remote control tachometer
5. Flexible cable remote control

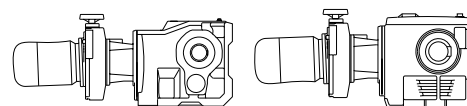
Application Matched

NorDISC adjustable speed drives are available with a wide variety of options including severe duty protection for washdown or outdoor duty, electric remote speed controls and indicators, a wide selection of motors, speed reducers and more.



EXPLANATORY NOTES

SELECTION PROCEDURES



General

When operating conditions dictate variable output speeds, the **NORDISC™** Traction Drive will supply infinite speed variations over a fixed speed range. Sizes up to 7.5 HP are available with any NORD heavy duty Industrial Tough gearbox. Gearbox with In-Line, Shaft Mount, Bevel and Worm and are available with any of our easily customized options to solve your application problems. For customized gearbox options consult our Master Catalog.

NORDISC™ Traction Drives include motor, traction drive and gearbox packaged in a compact arrangement completely assembled and ready to go from the factory. We offer 4 case sizes with matching motor and gearbox capability. Advantages of **NORDISC™** Drives include.

- Easy to install
- Output torque multiplication
- Speed reduction from motor rpm
- Infinitely adjustable speed range
- Adaptable to many environmental conditions
- Durable wear resistant discs
- Easy repair
- Affordable cost

NORDISC™ Traction Drive is an excellent mechanical adjustable speed device for a variety of applications. However it must be properly applied. A traction drive is not a constant torque or constant horsepower device. It is a combination of both. Although the traction drive is a torque multiplier, there are limitations on the amount of torque it can transfer from the driving disc. An internal cam and spring mechanism automatically transmit only the required load torque minimizing wear on the friction disc.

How does it work ?

The motor runs at constant speed (nameplate rpm). Attached to the motor output shaft is the driving disc. The driven disc is angled by 2 degrees, localizing the friction contact on the disc pair. When the handwheel is rotated, the housing assembly moves up or down changing the driving disc operating pitch diameter. In turn the driven friction ring maintains contact with the driving disc. Torque then progresses through the gearbox for added speed reduction and torque multiplication. At maximum output rpm a speed increasing, torque decreasing adjustment is delivered. When minimum speed is set by the handwheel the output torque increases. Net result is a 7:1 speed turndown range with a 7:1 torque increase.

Efficiency

Drive efficiency is determined by the components in each drive package. Efficiency of the variable speed portion varies with speed and load. When at full load efficiency is approximately 85 % at maximum speed. Speed reducer efficiency is 98.5 % for each reduction inside the gearbox. Worm reducers vary depending on the ratio. System efficiency is determined by multiplying the **NORDISC™** efficiency of 85 % by the efficiency of the speed reducer.

Output ratings for motor with traction drive (no gearbox)

Size	max. motor HP	max. adjustment ratio	max. TORQUE @ min RPM (lb - in)	min. TORQUE @ max RPM (lb - in)
RV 10	0.75	7.0	131	19
RV 20	1.50	7.0	273	39
RV 30	3.00	7.0	390	78
RV 40	7.50	5.0	1415	283

Adding a gearbox to motor + **NORDISC™** further reduces the speed (divide by the ratio) and multiplies torque (multiply by the ratio).

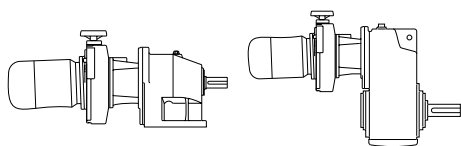
Speed Adjustment

This adjustment should only be performed when the motor is rotating or damage to the traction drive parts may occur.

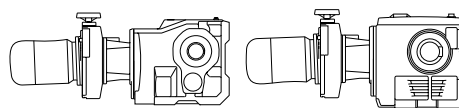
Motor current draw

Selection pages show 460 Volt values. For 230 Volt motors multiply by 2. For 575 Volt multiply by 0.8.
Note that these are approximate current draw values.
For exact information, see motor nameplate.

EXPLANATORY NOTES



SPEED CONTROLS

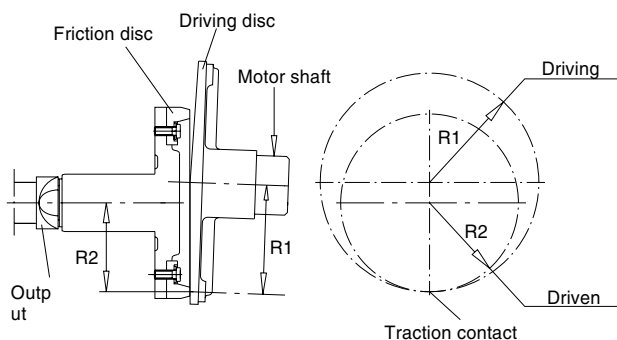


Speed Adjustment

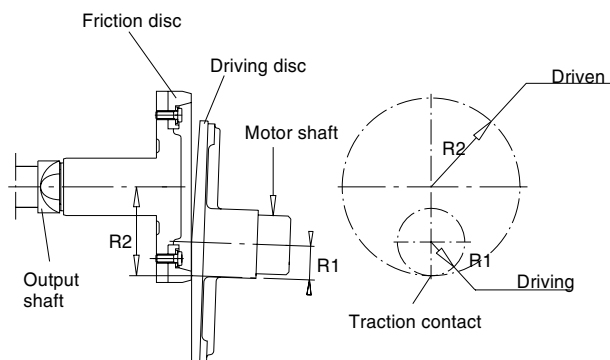
The speed is adjusted by rotating the plastic handle. This adjustment should only be performed when the motor is rotating or damage to internal parts may occur. Speed range is preset by the factory. Any speed adjustment within the range is acceptable.

Traction contact points

HIGH SPEED



LOW SPEED



In the two positions illustrated above, the traction contact points (pitch diameters) change. Torque is multiplied by the ratio of the respective pitch diameters of the driving and driven disc. It is also advantageous to use a gear reducer after the traction drive. The gear reducer acts as a torque multiplier and unloads the friction discs allowing the gear reducer to do the work.

Torque at the gearbox output shaft

Torque from the motor is multiplied by the traction drive. Then torque is multiplied by the gearbox ratio. This is the torque available to perform the task required of the application.

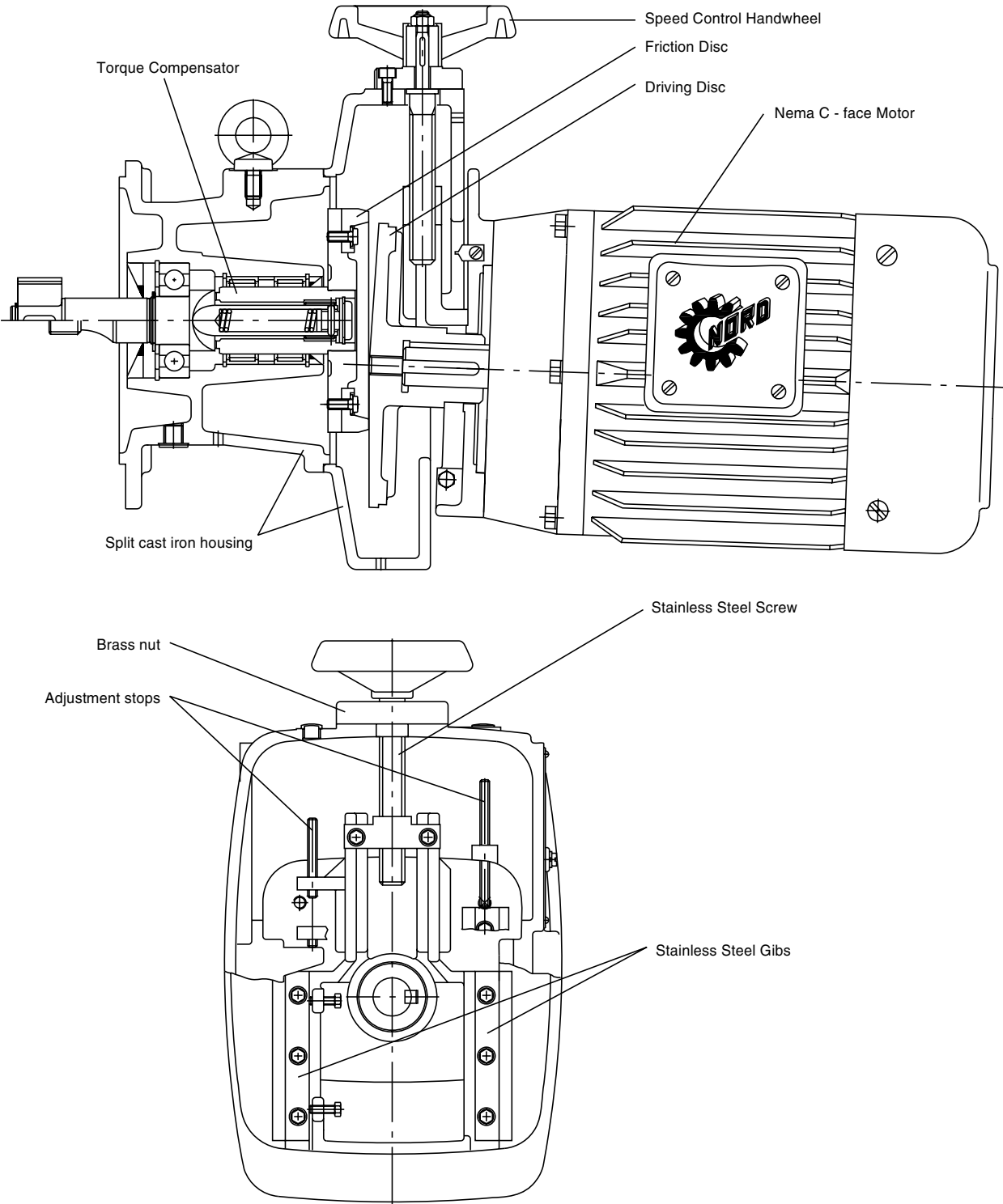
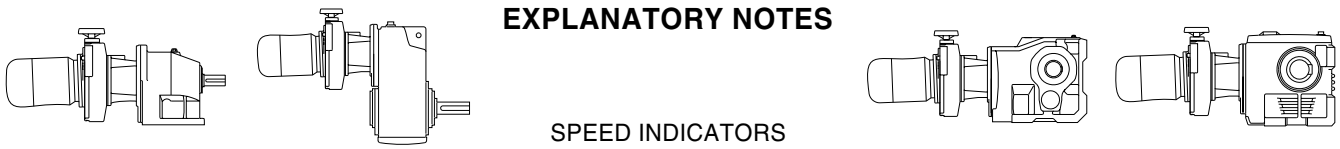
Constant torque applications

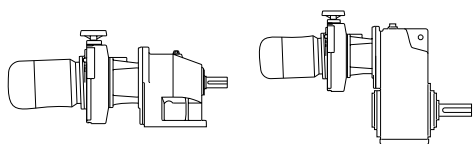
Many applications such as conveyor, positive displacement pumps and lifts have load torque that does not change over the adjusted speed range. The load torque is constant despite the speed changes. In these applications sizing of the belt drive is usually performed by matching the load torque to the maximum speed n_{21} and torque capability T_{a1} .

Repair

The traction drive unit has components designed to wear out over time. The NORDISC simple construction allows quick and easy replacement of the motor and friction surfaces. To insure the same performance, the replacement motor must be the same power, design and style as the original.

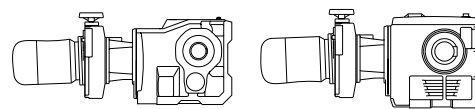
EXPLANATORY NOTES





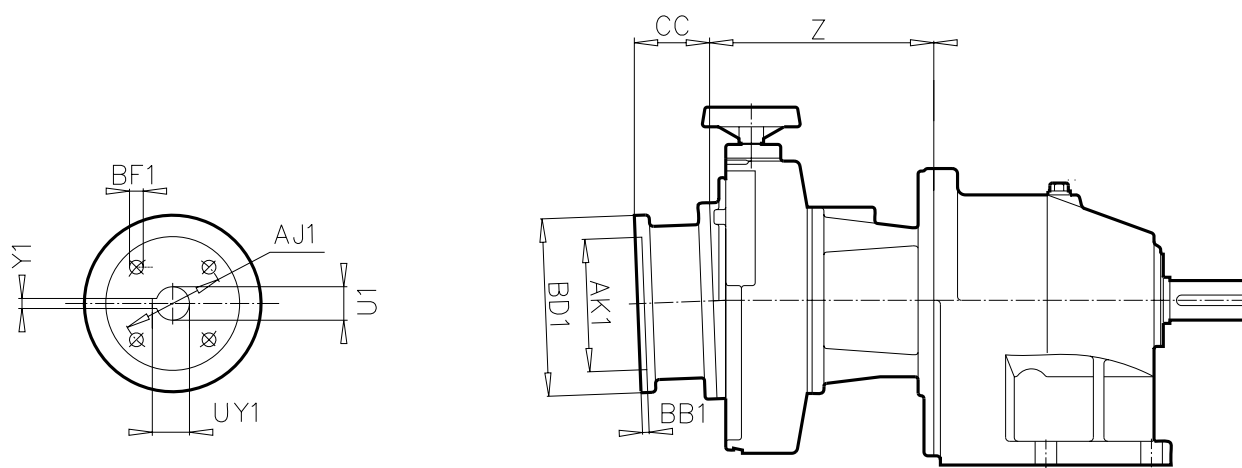
EXPLANATORY NOTES

FLEX C-INPUT ADAPTER



Flex C - Input Adapter

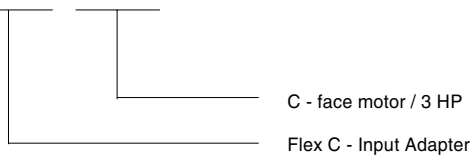
Available to allow motor replacement without disassembly of Traction Drive.



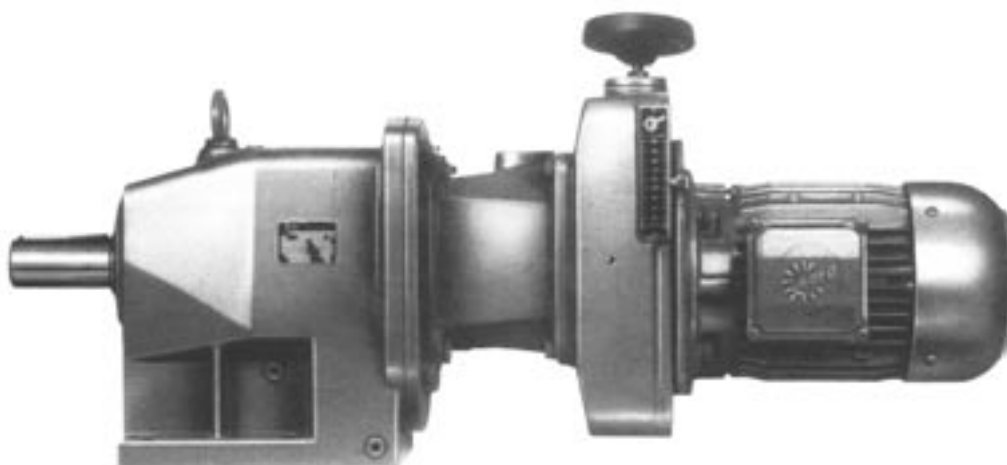
Traction Size	Flex C Adapter	Motor Size	Motor HP	AJ1	AK1	BB1	BD1	BF1	CC	U1	UY1	Y1	Z
RV 10	C56C	56C	0.25, 0.33, 0.50, 0.75	5.88	4.500	0.20	6.50	0.43	3.28	0.625	0.71	0.188	2.7
RV 20	C56C	56C	1	5.88	4.500	0.20	6.50	0.43	3.73	0.625	0.71	0.188	3
RV 20	140TC	143TC	1.5	5.88	4.500	0.20	6.50	0.43	3.73	0.875	0.96	0.188	3
RV 30	140TC	145TC	2.3	5.88	4.500	0.20	6.50	0.43	3.74	0.875	0.96	0.188	3.5
RV 40	180TC	184TC	5	7.25	8.500	0.25	9.00	0.56	5.14	1.125	1.24	0.250	4.2

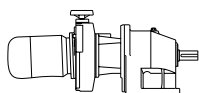
Nomenclature

SK 42 - RV 30 - 140 TC - 145 TC



VARIABLE SPEED HELICAL GEAR UNITS



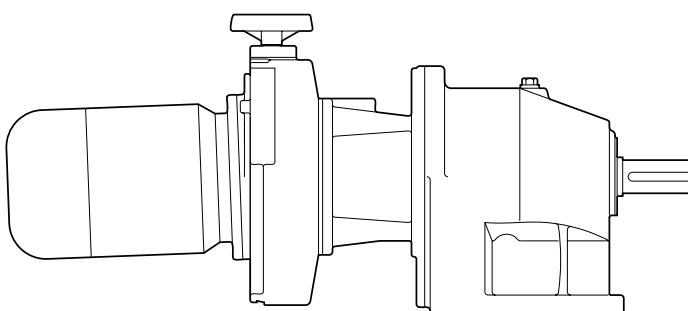


VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE UNIT

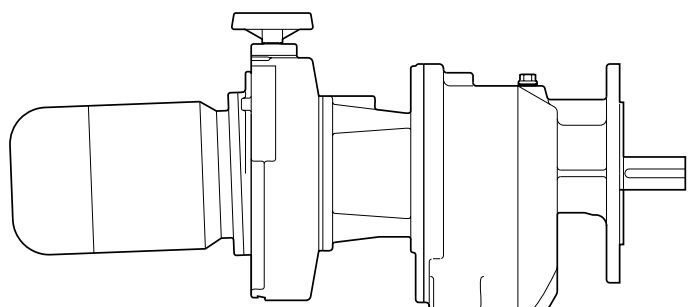
NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE
FOOT MOUNTED	
SK 02 - SK 62 = Helical Gearboxes double reduction, foot mounted	RV 10 Friction Drive Units
SK 03 - SK 63 = Helical Gearboxes triple reduction, foot mounted	RV 20
	RV 30
	RV 40
FLANGE MOUNTED	
SK 02 F - SK 62 F = Helical Gearboxes double reduction, flange mounted	RV 10 B Friction Drive Units, Corrosin resistant execution
SK 03 F - SK 63 F = Helical Gearboxes triple reduction, flange mounted	RV 20 B
	RV 30 B
	RV 40 B
HELICAL GEAR UNITS - OPTIONS	
see catalog 1000	



FOOT MOUNTED

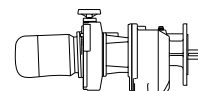
Variable speed helical geared motor with friction drive variable speed



FLANGE MOUNTED

Variable speed helical geared motor with friction drive variable speed

VARIABLE SPEED HELICAL GEARED MOTORS



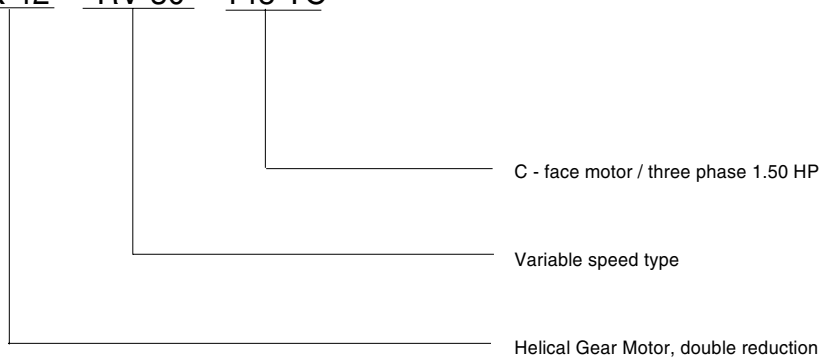
WITH FRICTION DRIVE UNIT

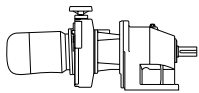
NOMENCLATURE

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
EMFST= Electromechanical remote control SPEED INDICATORS FAA= EMFST with remote speed indicator, analog FAD = EMFST with remote speed indicator, digital	C - face 0.25 - 7.50 HP 56 C - 213 TC	Washdown Duty Energy Efficient Single Phase Stainless Steel	115 / 230 V 230 / 460 V 575 V 50 or 60 Hz

EXAMPLE FOR ORDERING:

SK 42 - RV 30 - 145 TC





VARIABLE SPEED HELICAL GEARED MOTORS

MOUNTING POSITIONS

Horizontal position

	SK 11 E - SK 51 E	SK 02 - SK 52 SK 03 - SK 53	SK 63
B 3			
B 6			
B 7			
B 8			
B 5			
B 5 I			

Symbols :

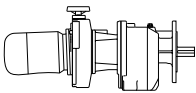
Vent plug

Drain plug

Oil level

Mounting surface

VARIABLE SPEED HELICAL GEAR UNITS



MOUNTING POSITIONS

Vertical position

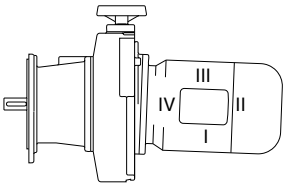
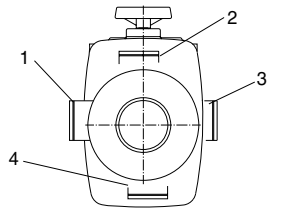
	SK 11 E - SK 51 E	SK 02 - SK 52 SK 13 - SK 53	SK 63
V 1			
V 3			
V 5			
V 6			

POSITION OF TERMINAL BOX AND CABLE ENTRY

Please specify position of terminal box and cable entry.

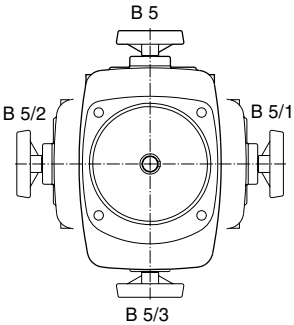
Normal design:
Terminal box at 3, cable entry at I or III only.

If other positions required, please specify exactly when ordering.

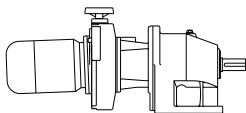


In all mounting positions the variable speed drive may be mounted at an angle of 90° or 180°.

(affix: .1 = right,
.2 = left,
.3 = below)



Symbols :  Vent plug  Drain plug  Oil level  Mounting surface



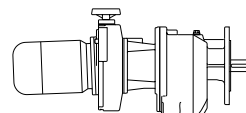
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	3.3	0.5	4221	1.2	662.81	SK 33 - RV 10 - 56C	0.7
	3.7	0.5	3726	1.2	585.41		
	4.2	0.6	3336	1.5	524.08		1:7
	5.2	0.7	2682	1.8	421.32		
	6.5	0.9	2159	2.5	339.15		135
	8.8	1.3	1584	3.1	248.17		
	10.6	1.5	1319	3.8	207.10		
	13.1	1.9	1062	4.7	166.49		
	16	2.3	854	6.3	134.02		
	20	2.8	715	6.8	112.18		
	25	3.5	562	8.0	88.18		
	6.8	1.0	2062	1.2	323.70	SK 23 - RV 10 - 56C	0.7
	8.3	1.2	1673	1.5	262.24		
	10.0	1.4	1389	2.0	217.73		1:7
	12.2	1.7	1142	2.4	179.50		
	14.4	2.1	965	2.7	151.44		108
	18	2.5	791	3.2	124.17		
	22	3.1	641	3.9	100.60		
	25	3.5	564	4.5	88.45		
	28	4.0	497	5.1	78.05		
	34	4.8	413	6.7	64.80		
	11.2	1.6	1248	1.2	195.78	SK 13 - RV 10 - 56C	0.7
	13.7	2.0	1018	1.5	159.36		
	17	2.4	844	1.6	132.45		1:7
	20	2.9	693	1.9	108.72		
	26	3.7	544	2.4	85.47		82
	32	4.6	435	3.3	68.40		
	41	5.8	343	3.8	53.84	SK 12 - RV 10 - 56C	0.7
	46	6.5	305	4.3	47.87		
	51	7.2	274	5.2	43.09		1:7
	57	8.1	244	5.9	38.31		
	62	8.9	224	5.9	35.07		71
	70	10.0	199	7.3	31.19		
	75	10.7	186	5.9	29.15		
	84	12.0	165	7.3	25.92		
	103	14.7	135	9.7	21.28		
	116	17	119	11.0	18.79		
	131	19	106	12.1	16.73		
	163	23	85.0	15.2	13.39		
	41	5.8	342	2.0	53.68	SK 02 - RV 10 - 56C	0.7
	53	7.5	265	3.1	41.58		
	65	9.3	213	4.0	33.42		1:7
	74	10.5	189	4.3	29.61		
	80	11.3	175	4.4	27.52		66
	90	12.8	156	5.1	24.39		
	95	13.5	148	4.7	23.13		
	106	15.0	131	5.0	20.59		
	137	20	102	6.3	15.95		
	171	24	81.4	7.6	12.82		
	194	28	71.7	8.3	11.27		
	220	31	63.7	8.9	9.95		
	236	34	59.3	9.7	9.28		
	267	38	52.2	10.7	8.19		
	281	40	49.6	11.2	7.80		
	318	45	44.3	12.2	6.89		
	359	51	38.9	11.8	6.10		
	393	56	35.4	14.2	5.57		
	454	65	31.0	16.3	4.82		

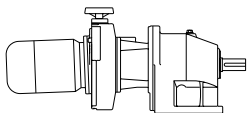
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	518	74	26.6	16.3	4.22	SK 02 - RV 10 - 56C	0.7
	562	80	24.8	18.8	3.89		1:7
	647	92	21.2	19.9	3.38		66
	742	106	18.6	20.8	2.95		
	240	34	58.4	3.5	9.11	SK 11E - RV 10 - 56C	0.7
	270	39	51.3	5.2	8.10		
	608	87	23.0	16.2	3.60		1:7
	688	98	20.4	17.4	3.18		
	773	110	17.7	20.2	2.83		62
	943	134	15.0	20.8	2.32		
	1073	153	13.3	21.6	2.04		
	1209	172	11.5	22.9	1.81		
	1421	203	9.7	23.9	1.54		
	1621	231	8.9	23.8	1.35		
	2188	312	6.4	No Gearbox		SK - RV 10 F - 56C	0.7 1:7 49
0.33	4.2	0.6	4496	1.1	524.08	SK 33 - RV 10 - 56C	0.7
	5.2	0.7	3620	1.4	421.32		
	6.5	0.9	2912	1.8	339.15		1:7
	8.8	1.3	2133	2.3	248.17		
	10.6	1.5	1779	2.8	207.10		137
	13.1	1.9	1425	3.5	166.49		
	16	2.3	1151	4.7	134.02		
	20	2.8	965	5.0	112.18		
	25	3.5	757	5.9	88.18		
	8.3	1.2	2248	1.1	262.24	SK 23 - RV 10 - 56C	0.8
	10.0	1.4	1867	1.5	217.73		
	12.2	1.7	1540	1.8	179.50		1:7
	14.4	2.1	1301	2.0	151.44		
	18	2.5	1062	2.4	124.17		110
	22	3.1	864	2.9	100.60		
	25	3.5	759	3.3	88.45		
	28	4.0	670	3.8	78.05		
	34	4.8	557	4.9	64.80		
	13.7	2.0	1372	1.1	159.36	SK 13 - RV 10 - 56C	0.8
	17	2.4	1133	1.2	132.45		
	20	2.9	929	1.4	108.72		1:7
	26	3.7	734	1.8	85.47		
	32	4.6	587	2.5	68.40		84
	41	5.8	462	2.8	53.84	SK 12 - RV 10 - 56C	0.8
	46	6.5	411	3.2	47.87		
	51	7.2	370	3.9	43.09		1:7
	57	8.1	329	4.4	38.31		
	62	8.9	301	4.4	35.07		73
	70	10.0	268	5.4	31.19		
	75	10.7	250	4.4	29.15		
	84	12.0	222	5.5	25.92		
	103	14.7	182	7.2	21.28		
	116	17	161	8.1	18.79		
	131	19	143	9.0	16.73		
	163	23	115	11.2	13.39		
	204	29	92.0	12.6	10.70		
	227	32	83.2	14.0	9.65		
	256	36	73.5	14.7	8.56		
	279	40	67.3	16.4	7.85		



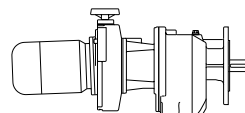
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.33	41	5.8	461	1.5	53.68	SK 02 - RV 10 - 56C	0.8
	53	7.5	357	2.3	41.58		
	65	9.3	287	3.0	33.42		1:7
	74	10.5	254	3.2	29.61		
	80	11.3	236	3.3	27.52		68
	90	12.8	210	3.8	24.39		
	95	13.5	198	3.5	23.13		
	106	15.0	177	3.7	20.59		
	137	20	137	4.6	15.95		
	171	24	110	5.6	12.82		
	194	28	96.5	6.1	11.27		
	220	31	85.8	6.6	9.95		
	236	34	79.7	7.2	9.28		
	267	38	69.9	8.0	8.19		
	281	40	67.3	8.3	7.80		
	318	45	59.3	9.1	6.89		
	359	51	52.2	8.8	6.10		
	393	56	47.8	10.6	5.57		
	454	65	41.6	12.1	4.82		
	518	74	36.3	12.0	4.22		
	562	80	33.6	13.8	3.89		
	647	92	29.2	14.5	3.38		
	742	106	25.7	15.1	2.95		
	240	34	77.9	2.6	9.11	SK 11E - RV 10 - 56C	0.8
	270	39	69.9	3.8	8.10		
	608	87	31.0	12.0	3.60		1:7
	688	98	27.4	12.9	3.18		
	773	110	23.9	14.9	2.83		64
	943	134	20.4	15.4	2.32		
	1073	153	17.7	16.2	2.04		
	1209	172	15.9	16.5	1.81		
	1421	203	13.3	17.5	1.54		
	1621	231	11.5	18.3	1.35		
2188 312		8.6	No Gearbox			SK - RV 10 F - 56C	0.8 1:7 51
0.50	6.5	0.9	4416	1.2	339.15	SK 33 - RV 10 - 56C	1.1
	8.8	1.3	3230	1.5	248.17		
	10.6	1.5	2690	1.8	207.10		1:7
	13.1	1.9	2168	2.3	166.49		
	16	2.3	1743	3.1	134.02		137
	20	2.8	1460	3.3	112.18		
	25	3.5	1151	3.9	88.18		
	12.2	1.7	2336	1.2	179.50	SK 23 - RV 10 - 56C	1.1
	14.4	2.1	1974	1.3	151.44		
	18	2.5	1620	1.6	124.17		1:7
	22	3.1	1310	1.9	100.60		
	25	3.5	1151	2.2	88.45		110
	28	4.0	1018	2.5	78.05		
	34	4.8	843	3.3	64.80		
	26	3.7	1115	1.2	85.47	SK 13 - RV 10 - 56C	1.1
	32	4.6	894	1.6	68.40		1:7

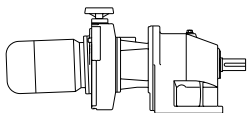
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
0.50	41	5.8	700	1.9	53.84	SK 12 - RV 10 - 56C	1.1
	46	6.5	623	2.1	47.87		
	51	7.2	560	2.6	43.09		1:7
	57	8.1	498	2.9	38.31		
	62	8.9	457	2.9	35.07		73
	70	10.0	405	3.6	31.19		
	75	10.7	380	2.9	29.15		
	84	12.0	337	3.6	25.92		
	103	14.7	277	4.7	21.28		
	116	17	244	5.4	18.79		
	131	19	218	5.9	16.73		
	163	23	174	7.4	13.39		
	204	29	139	8.3	10.70		
	227	32	126	9.3	9.65		
	256	36	112	9.7	8.56		
	279	40	102	10.8	7.85		
	41	5.8	681	1.0	53.68	SK 02 - RV 10 - 56C	1.1
	53	7.5	541	1.5	41.58		
	65	9.3	435	2.0	33.42		1:7
	74	10.5	385	2.1	29.61		
	80	11.3	358	2.1	27.52		68
	90	12.8	318	2.5	24.39		
	95	13.5	301	2.3	23.13		
	106	15.0	268	2.4	20.59		
	137	20	207	3.1	15.95		
	171	24	166	3.7	12.82		
	194	28	147	4.0	11.27		
	220	31	129	4.4	9.95		
	236	34	120	4.8	9.28		
	267	38	106	5.2	8.19		
	281	40	102	5.5	7.80		
	318	45	89.4	6.0	6.89		
	359	51	79.7	5.8	6.10		
	393	56	72.6	7.0	5.57		
	454	65	62.8	8.0	4.82		
	518	74	54.9	7.9	4.22		
	562	80	50.4	9.2	3.89		
	647	92	44.3	9.6	3.38		
	742	106	38.1	10.2	2.95		
	240	34	119	1.7	9.11	SK 11E - RV 10 - 56C	1.1
	270	39	105	2.5	8.10		
	608	87	46.9	7.9	3.60		1:7
	688	98	41.6	8.5	3.18		
	773	110	37.2	9.6	2.83		64
	943	134	30.1	10.4	2.32		
	1073	153	26.6	10.8	2.04		
	1209	172	23.9	11.0	1.81		
	1421	203	20.4	11.4	1.54		
	1621	231	17.7	11.9	1.35		
	2188	312	13.0	No Gearbox		SK - RV 10 F - 56C	1.1 1:7 51
0.75	3.0	0.4	14116	1.0	728.20	SK 53 - RV 20 - 56C	1.6
	3.6	0.5	11877	1.2	607.30		
	4.0	0.6	10735	1.4	548.89		1:7
	4.4	0.6	9753	1.5	498.82		
	5.6	0.8	7673	2.1	392.20		291



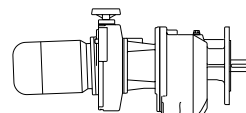
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	5.8	0.8	7319	2.0	374.25	SK 53 - RV 20 - 56C	1.6
	7.4	1.1	5753	3.0	294.26		
	8.9	1.3	4806	3.2	245.56		1:7
	9.3	1.3	4620	3.2	236.21		
	11.8	1.7	3629	4.1	185.72		291
	12.3	1.8	3469	4.3	177.22		
	16	2.2	2726	6.4	139.34		
	21	2.9	2071	7.2	105.87		
	23	3.3	1867	7.4	95.49		
	27	3.9	1558	7.4	79.69		
	33	4.8	1274	7.2	65.35		
	37	5.3	1151	7.4	58.94		
	6.1	0.9	7036	1.3	359.59	SK 43 - RV 20 - 56C	1.6
	7.3	1.0	5841	1.6	298.80		
	7.9	1.1	5452	1.6	278.51		1:7
	8.3	1.2	5160	1.7	263.93		
	9.5	1.3	4522	2.0	231.43		218
	10.0	1.4	4292	2.2	219.32		
	10.7	1.5	4000	2.2	204.42		
	12.0	1.7	3575	2.5	182.76		
	12.9	1.8	3319	2.8	169.86		
	15.0	2.2	2770	3.4	141.55		
	17	2.4	2531	3.5	129.38		
	20	2.9	2106	4.3	107.51		
	23	3.3	1859	4.8	94.96		
	27	3.9	1566	5.7	79.96		
	31	4.4	1372	6.5	70.12		
	38	5.4	1142	7.0	58.27		
	45	6.4	947	7.0	48.56		
	53	7.6	802	7.0	40.98		
	10.6	1.5	4053	1.2	207.10	SK 33 - RV 10 - 56C	1.6
	13.1	1.9	3257	1.5	166.49		
	16	2.3	2620	2.1	134.02		1:7
	20	2.8	2195	2.2	112.18		
	25	3.5	1726	2.6	88.18		146
	27	3.8	1593	2.8	81.27	SK 32 - RV 20 - 56C	1.6
	30	4.3	1425	3.5	72.76		
	34	4.9	1257	3.6	64.26		1:7
	38	5.4	1124	4.4	57.53		
	47	6.7	903	5.5	46.25		152
	56	8.0	758	5.2	38.76		
	59	8.4	728	7.1	37.23		
	66	9.4	646	5.2	33.05		
	70	10.0	610	7.4	31.16		
	82	11.7	519	7.4	26.57		
	95	13.5	452	7.2	23.12		
	106	15.0	404	7.2	20.70		
	117	17	366	7.4	18.67		
	135	19	318	7.9	16.25		
	146	21	294	7.4	15.03		
	150	21	285	7.9	14.55		
	187	27	229	7.9	11.71		
	22	3.1	1965	1.3	100.60	SK 23 - RV 10 - 56C	1.6
	25	3.5	1726	1.5	88.45		1:7
	28	4.0	1522	1.7	78.05		119
	34	4.8	1266	2.2	64.80		

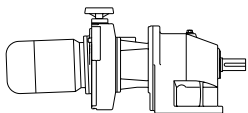
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	40	5.6	1080	2.3	55.28	SK 22 - RV 20 - 56C	1.6
	48	6.8	894	2.9	45.90		
	51	7.3	837	3.0	42.82		1:7
	62	8.8	696	4.0	35.55		
	76	10.8	563	4.9	28.80		128
	88	12.6	484	4.5	24.73		
	92	13.1	465	5.8	23.74		
	109	16	392	6.4	20.03		
	131	19	327	6.7	16.75		
	149	21	288	7.0	14.69		
	179	26	239	7.0	12.20		
	201	29	213	7.2	10.89		
	258	37	165	7.0	8.48		
	46	6.5	938	1.4	47.87	SK 12 - RV 10 - 56C	1.6
	57	8.1	750	1.9	38.31		1:7
	70	10.0	610	2.4	31.19		82
	84	12.0	507	2.4	25.92		
	103	14.7	416	3.1	21.28		
	116	17	367	3.6	18.79		
	131	19	327	3.9	16.73		
	163	23	262	4.9	13.39		
	204	29	209	5.6	10.70		
	227	32	189	6.2	9.65		
	256	36	167	6.5	8.56		
	279	40	153	7.2	7.85		
	301	43	142	7.2	7.28		
	335	48	127	7.2	6.53		
	378	54	113	7.4	5.79		
	444	63	96.5	7.7	4.93		
	487	69	87.6	7.2	4.49		
	506	72	84.1	8.0	4.32		
	550	78	77.9	7.4	3.98		
	645	92	66.4	7.7	3.39		
	739	105	57.5	8.0	2.96		
	74	10.5	579	1.4	29.61	SK 02 - RV 10 - 56C	1.6
	90	12.8	477	1.7	24.39		
	106	15.0	403	1.6	20.59		1:7
	137	20	312	2.0	15.95		
	171	24	250	2.5	12.82		77
	194	28	220	2.7	11.27		
	220	31	195	2.9	9.95		
	236	34	181	3.2	9.28		
	267	38	160	3.5	8.19		
	281	40	152	3.7	7.80		
	318	45	135	4.0	6.89		
	359	51	119	3.9	6.10		
	393	56	109	4.6	5.57		
	454	65	94.7	5.3	4.82		
	518	74	82.3	5.3	4.22		
	562	80	76.1	6.1	3.89		
	647	92	66.4	6.4	3.38		
	742	106	57.5	6.7	2.95		
	270	39	158	1.7	8.10	SK 11E - RV 10 - 56C	1.6
	608	87	70.8	5.2	3.60		
	688	98	62.0	5.7	3.18		1:7
	773	110	55.8	6.4	2.83		
	943	134	45.1	6.9	2.32		73
	1073	153	39.8	7.2	2.04		



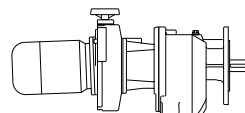
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	1209	172	35.4	7.4	1.81	SK 11E - RV 10 - 56C	1.6
	1421	203	30.1	7.7	1.54		1:7
	1621	231	26.6	7.9	1.35		73
	2188	312	19.6	No Gearbox		SK - RV 10 F - 56C	1.6 1:7 60
1.00	4.4	0.6	13027	1.1	498.82	SK 53 - RV 20 - 56C	2.1
	5.6	0.8	10239	1.6	392.20		
	5.8	0.8	9770	1.5	374.25		1:7
	7.4	1.1	7682	2.3	294.26		
	8.9	1.3	6407	2.4	245.56		291
	9.3	1.3	6168	2.4	236.21		
	11.8	1.7	4850	3.0	185.72		
	12.3	1.8	4629	3.2	177.22		
	16	2.2	3637	4.8	139.34		
	21	2.9	2761	5.4	105.87		
	23	3.3	2496	5.6	95.49		
	27	3.9	2080	5.6	79.69		
	33	4.8	1708	5.4	65.35		
	37	5.3	1540	5.6	58.94		
	7.3	1.0	7797	1.2	298.80	SK 43 - RV 20 - 56C	2.1
	7.9	1.1	7275	1.2	278.51		
	8.3	1.2	6894	1.3	263.93		1:7
	9.5	1.3	6045	1.5	231.43		
	10.0	1.4	5726	1.6	219.32		218
	10.7	1.5	5337	1.7	204.42		
	12.0	1.7	4770	1.9	182.76		
	12.9	1.8	4434	2.1	169.86		
	15.0	2.2	3699	2.5	141.55		
	17	2.4	3381	2.6	129.38		
	20	2.9	2805	3.2	107.51		
	23	3.3	2478	3.6	94.96		
	27	3.9	2089	4.3	79.96		
	31	4.4	1832	4.9	70.12		
	38	5.4	1522	5.2	58.27		
	45	6.4	1266	5.2	48.56		
	53	7.6	1071	5.2	40.98		
	13.1	1.9	4345	1.1	166.49	SK 33 - RV 20 - 56C	2.1
	16	2.3	3496	1.5	134.02		1:7
	20	2.8	2929	1.7	112.18		172
	25	3.5	2301	2.0	88.18		
	27	3.8	2124	2.1	81.27	SK 32 - RV 20 - 56C	2.1
	30	4.3	1903	2.6	72.76		
	34	4.9	1682	2.7	64.26		1:7
	38	5.4	1505	3.3	57.53		
	47	6.7	1204	4.1	46.25		152
	56	8.0	1009	3.9	38.76		
	59	8.4	974	5.3	37.23		
	66	9.4	863	3.9	33.05		
	70	10.0	813	5.6	31.16		
	82	11.7	694	5.6	26.57		
	95	13.5	604	5.4	23.12		
	106	15.0	541	5.4	20.70		
	117	17	488	5.6	18.67		
	131	19	435	5.4	16.66		
	135	19	424	6.0	16.25		

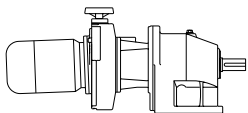
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	146	21	392	5.6	15.03	SK 32 - RV 20 - 56C	2.1
	150	21	380	6.0	14.55		1:7
	187	27	305	6.0	11.71		152
	25	3.5	2310	1.1	88.45	SK 23 - RV 20 - 56C	2.1
	28	4.0	2036	1.2	78.05		1:7
	34	4.8	1690	1.6	64.80		146
	40	5.6	1443	1.7	55.28	SK 22 - RV 20 - 56C	2.1
	48	6.8	1195	2.2	45.90		1:7
	51	7.3	1115	2.3	42.82		
	62	8.8	929	3.0	35.55		
	76	10.8	752	3.7	28.80		
	88	12.6	646	3.4	24.73		
	92	13.1	620	4.3	23.74		
	109	16	523	4.8	20.03		
	131	19	437	5.0	16.75		
	149	21	383	5.2	14.69		
	179	26	319	5.2	12.20		
	201	29	284	5.4	10.89		
	258	37	221	5.2	8.48		
	46	6.5	1248	1.0	47.87	SK 12 - RV 20 - 56C	2.1
	57	8.1	1000	1.5	38.31		1:7
	70	10.0	814	1.8	31.19		
	84	12.0	677	1.8	25.92		
	103	14.7	556	2.4	21.28		
	116	17	490	2.7	18.79		
	131	19	437	2.9	16.73		
	163	23	350	3.7	13.39		
	204	29	280	4.1	10.70		
	227	32	252	4.6	9.65		
	256	36	224	4.8	8.56		108
	279	40	205	5.4	7.85		
	301	43	190	5.4	7.28		
	335	48	171	5.4	6.53		
	378	54	151	5.6	5.79		
	444	63	128	5.8	4.93		
	487	69	117	5.4	4.49		
	506	72	112	6.0	4.32		
	550	78	104	5.6	3.98		
	645	92	88.5	5.8	3.39		
	739	105	77.0	6.0	2.96		
	74	10.5	773	1.1	29.61	SK 02 - RV 20 - 56C	2.1
	90	12.8	637	1.2	24.39		1:7
	106	15.0	537	1.2	20.59		
	137	20	417	1.5	15.95		
	171	24	335	1.9	12.82		
	194	28	294	2.0	11.27		
	220	31	260	2.2	9.95		
	236	34	242	2.4	9.28		
	267	38	214	2.6	8.19		
	281	40	204	2.7	7.80		
	318	45	180	3.0	6.89		104
	359	51	159	2.9	6.10		
	393	56	145	3.5	5.57		
	454	65	126	4.0	4.82		
	518	74	110	4.0	4.22		
	562	80	102	4.6	3.89		
	647	92	88.5	4.8	3.38		
	742	106	77.0	5.0	2.95		



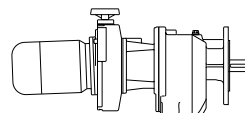
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	270	39	212	1.3	8.10	SK 11E - RV 20 - 56C	2.1
	608	87	93.8	4.0	3.60		
	688	98	83.2	4.3	3.18		1:7
	773	110	73.5	4.9	2.83		
	943	134	60.2	5.2	2.32		99
	1073	153	53.1	5.4	2.04		
	1209	172	46.9	5.6	1.81		
	1421	203	39.8	5.8	1.54		
	1621	231	35.4	5.9	1.35		
	2188	312	26.1	No Gearbox			2.1
							1:7
							86
1.50	7.4	1.1	11514	1.5	294.26	SK 53 - RV 20 - 143TC	3.0
	8.9	1.3	9602	1.6	245.56		
	9.3	1.3	9239	1.6	236.21		1:7
	11.8	1.7	7266	2.0	185.72		
	12.3	1.8	6930	2.1	177.22		295
	16	2.2	5452	3.2	139.34		
	21	2.9	4142	3.6	105.87		
	23	3.3	3735	3.7	95.49		
	27	3.9	3115	3.7	79.69		
	33	4.8	2558	3.6	65.35		
	37	5.3	2310	3.7	58.94		
	10.0	1.4	8576	1.1	219.32	SK 43 - RV 20 - 143TC	3.0
	10.7	1.5	8000	1.1	204.42		
	12.0	1.7	7151	1.3	182.76		1:7
	12.9	1.8	6646	1.4	169.86		
	15.0	2.2	5540	1.7	141.55		223
	17	2.4	5062	1.8	129.38		
	20	2.9	4204	2.2	107.51		
	23	3.3	3717	2.4	94.96		
	27	3.9	3124	2.9	79.96		
	31	4.4	2744	3.3	70.12		
	38	5.4	2283	3.5	58.27		
	45	6.4	1903	3.5	48.56		
	53	7.6	1602	3.5	40.98		
	20	2.8	4390	1.1	112.18	SK 33 - RV 20 - 143TC	3.0
	25	3.5	3452	1.3	88.18		1:7 176
	27	3.8	3177	1.4	81.27	SK 32 - RV 20 - 143TC	3.0
	30	4.3	2850	1.7	72.76		
	34	4.9	2513	1.8	64.26		1:7
	38	5.4	2248	2.2	57.53		
	47	6.7	1805	2.7	46.25		
	56	8.0	1513	2.6	38.76		
	59	8.4	1460	3.6	37.23		
	66	9.4	1292	2.6	33.05		
	70	10.0	1221	3.7	31.16		
	82	11.7	1035	3.7	26.57		
	95	13.5	903	3.6	23.12		
	106	15.0	810	3.6	20.70		
	117	17	730	3.7	18.67		
	135	19	635	4.0	16.25		
	146	21	588	3.7	15.03		
	150	21	569	4.0	14.55		
	187	27	458	4.0	11.71		

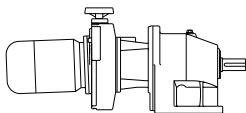
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.50	34	4.8	2531	1.1	64.80	SK 23 - RV 20 - 143TC	3.0 1:7 150
	40	5.6	2159	1.2	55.28	SK 22 - RV 20 - 143TC	3.0 1:7
	48	6.8	1797	1.4	45.90		
	51	7.3	1673	1.5	42.82		
	62	8.8	1389	2.0	35.55		
	76	10.8	1124	2.4	28.80		
	88	12.6	965	2.3	24.73		
	92	13.1	929	2.9	23.74		
	109	16	783	3.2	20.03		
	131	19	655	3.3	16.75		
	149	21	574	3.5	14.69		
	179	26	477	3.5	12.20		
	201	29	426	3.6	10.89		
	258	37	332	3.5	8.48		
	289	41	296	3.6	7.57		
	319	45	268	3.9	6.86		
	336	48	255	3.8	6.51		
	378	54	227	3.9	5.79		
	422	60	203	3.5	5.18		
	474	68	181	3.6	4.62		
	551	79	155	3.8	3.97		
	620	88	138	3.9	3.53		
	70	10.0	1221	1.2	31.19	SK 12 - RV 20 - 143TC	3.0 1:7 112
	84	12.0	1018	1.2	25.92		
	103	14.7	833	1.6	21.28		
	116	17	735	1.8	18.79		
	131	19	654	2.0	16.73		
	163	23	524	2.5	13.39		
	204	29	419	2.8	10.70		
	227	32	378	3.1	9.65		
	256	36	335	3.2	8.56		
	279	40	307	3.6	7.85		
	301	43	285	3.6	7.28		
	335	48	256	3.6	6.53		
	378	54	227	3.7	5.79		
	444	63	193	3.9	4.93		
	487	69	175	3.6	4.49		
	506	72	169	4.0	4.32		
	550	78	156	3.7	3.98		
	645	92	133	3.9	3.39		
	739	105	116	4.0	2.96		
	171	24	502	1.2	12.82	SK 02 - RV 20 - 143TC	3.0 1:7 108
	194	28	441	1.3	11.27		
	220	31	389	1.5	9.95		
	236	34	363	1.6	9.28		
	267	38	320	1.7	8.19		
	281	40	305	1.8	7.80		
	318	45	270	2.0	6.89		
	359	51	239	1.9	6.10		
	393	56	218	2.3	5.57		
	454	65	189	2.7	4.82		
	518	74	165	2.6	4.22		
	562	80	152	3.1	3.89		
	647	92	132	3.2	3.38		
	742	106	115	3.4	2.95		



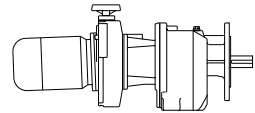
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.50	608	87	141	2.6	3.60	SK 11E - RV 20 - 143TC	3.0
	688	98	125	2.8	3.18		
	773	110	111	3.2	2.83		1:7
	943	134	91.2	3.4	2.32		
	1073	153	79.7	3.6	2.04		104
	1209	172	70.8	3.7	1.81		
	1421	203	60.2	3.9	1.54		
	1621	231	53.1	4.0	1.35		
	2188	312	39.1	No Gearbox			3.0
							1:7
2.00	12.1	1.7	9425	3.4	180.57	SK 63 - RV 30 - 145TC	3.4
	15.0	2.1	7611	4.3	145.71		
	20	2.9	5637	5.7	107.89		1:7
	25	3.6	4549	6.1	87.06		
	28	4.0	4044	7.3	77.46		415
	35	5.0	3283	8.0	62.87		
	41	5.8	2814	8.5	53.82		
	43	6.2	2646	8.0	50.73		
	7.4	1.1	15364	1.1	294.26	SK 53 - RV 30 - 145TC	3.4
	8.9	1.3	12824	1.2	245.56		
2.00	9.3	1.3	12337	1.2	236.21		1:7
	11.8	1.7	9700	1.5	185.72		
	12.3	1.8	9257	1.6	177.22		335
	16	2.2	7275	2.4	139.34		
	21	2.9	5531	3.2	105.87		
	23	3.3	4983	3.5	95.49		
	27	3.9	4160	3.6	79.69		
	33	4.8	3416	4.2	65.35		
	37	5.2	3106	4.4	59.54	SK 52 - RV 30 - 145TC	3.4
	41	5.8	2805	5.0	53.81		
	45	6.4	2558	5.5	48.90		1:7
	57	8.1	2009	7.3	38.45		
	61	8.7	1885	6.1	36.03		293
	68	9.7	1673	7.4	32.09		
2.00	12.9	1.8	8868	1.1	169.86	SK 43 - RV 30 - 145TC	3.4
	15.0	2.2	7390	1.3	141.55		
	17	2.4	6753	1.3	129.38		1:7
	20	2.9	5611	1.6	107.51		
	23	3.3	4956	1.8	94.96		262
	27	3.9	4177	2.1	79.96		
	31	4.4	3664	2.4	70.12		
	38	5.4	3044	3.1	58.27		
	43	6.1	2664	2.8	50.98	SK 42 - RV 30 - 145TC	3.4
	53	7.6	2159	3.7	41.29		
2.00	62	8.9	1841	4.9	35.25		1:7
	72	10.2	1593	4.7	30.46		
	75	10.7	1531	5.9	29.29		229
	89	12.6	1292	6.1	24.67		
	90	12.8	1274	6.0	24.41		
	100	14.3	1142	6.1	21.87		
	124	18	920	7.3	17.71		
	145	21	789	7.3	15.12		

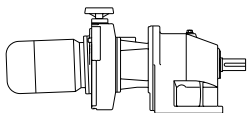
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	152	22	750	8.0	14.38	SK 42 - RV 30 - 145TC	3.4
	178	25	642	8.0	12.28		
	215	31	533	8.0	10.20		1:7
	257	37	444	8.0	8.50		
	301	43	381	8.5	7.28		229
	353	50	323	8.9	6.19		
	409	58	280	8.0	5.35		
	478	68	239	8.5	4.58		
	562	80	204	8.9	3.89		
	34	4.9	3354	1.4	64.26	SK 32 - RV 30 - 145TC	3.4
	38	5.4	3000	1.7	57.53		
	47	6.7	2416	2.1	46.25		1:7
	56	8.0	2027	1.9	38.76		
	59	8.4	1947	2.7	37.23		196
	66	9.4	1726	1.9	33.05		
	70	10.0	1628	2.8	31.16		
	82	11.7	1389	2.8	26.57		
	95	13.5	1204	3.8	23.12		
	106	15.0	1080	4.2	20.70		
	117	17	974	4.4	18.67		
	135	19	849	4.8	16.25		
	146	21	785	4.4	15.03		
	150	21	759	4.8	14.55		
	187	27	612	4.8	11.71		
	223	32	512	4.8	9.80		
	262	37	436	4.8	8.36		
	277	39	412	5.0	7.90		
	310	44	368	4.4	7.05		
	325	46	352	5.0	6.74		
	384	55	297	5.2	5.70		
	398	57	288	4.8	5.50		
	494	70	231	5.0	4.43		
	583	83	196	5.2	3.75		
	51	7.3	2239	1.1	42.82	SK 22 - RV 30 - 145TC	3.4
	62	8.8	1859	1.5	35.55		
	76	10.8	1505	1.8	28.80		1:7
	88	12.6	1292	1.7	24.73		
	92	13.1	1239	2.2	23.74		172
	109	16	1044	2.4	20.03		
	131	19	874	2.9	16.75		
	149	21	767	3.3	14.69		
	179	26	637	4.0	12.20		
	201	29	569	4.2	10.89		
	258	37	443	4.0	8.48		
	289	41	396	4.2	7.57		
	319	45	358	4.6	6.86		
	336	48	340	4.4	6.51		
	378	54	303	4.5	5.79		
	422	60	271	4.0	5.18		
	474	68	242	4.2	4.62		
	551	79	207	4.4	3.97		
	620	88	184	4.6	3.53		
	784	112	146	4.8	2.79		
	131	19	873	1.5	16.73	SK 12 - RV 30 - 145TC	3.4
	163	23	699	1.8	13.39		1:7
	204	29	558	2.1	10.70		152
	227	32	504	2.3	9.65		



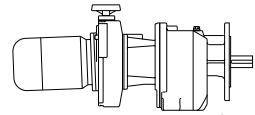
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	256	36	447	2.4	8.56	SK 12 - RV 30 - 145TC	3.4
	279	40	410	2.8	7.85		
	301	43	381	2.7	7.28		1:7
	335	48	341	3.2	6.53		
	378	54	303	3.5	5.79		152
	444	63	258	3.9	4.93		
	487	69	235	4.1	4.49		
	506	72	226	4.1	4.32		
	550	78	208	4.3	3.98		
	645	92	177	4.5	3.39		
	739	105	155	4.6	2.96		
	277	39	412	1.3	7.90	SK 21E - RV 30 - 145TC	3.4
	342	49	335	1.7	6.40		
	596	85	192	3.1	3.67		1:7
	708	101	161	3.4	3.09		
	807	115	142	4.0	2.71		157
	904	129	127	4.2	2.42		
	1052	150	109	4.4	2.08		
	1183	169	96.5	4.6	1.85		
	1499	214	76.1	4.8	1.46		
	2188	312	52.2	No Gearbox		SK - RV 30 F - 145TC	3.4 1:7 130
3.00	12.1	1.7	14125	2.3	180.57	SK 63 - RV 30 - 145TC	4.8
	15.0	2.1	11399	2.9	145.71		
	20	2.9	8443	3.8	107.89		1:7
	25	3.6	6815	4.1	87.06		
	28	4.0	6062	4.9	77.46		415
	35	5.0	4921	5.3	62.87		
	41	5.8	4213	5.7	53.82		
	43	6.2	3965	5.3	50.73		
	50	7.2	3398	5.7	43.43		
	61	8.6	2823	5.3	36.11		
	71	10.1	2416	5.7	30.91		
	83	11.9	2053	6.0	26.28		
	100	14.2	1717	6.0	21.98		
	105	15.0	1628	5.9	20.77		
	126	18	1363	5.9	17.37		
	21	2.9	8284	2.1	105.87	SK 53 - RV 30 - 145TC	4.8
	23	3.3	7469	2.3	95.49		1:7
	27	3.9	6230	2.4	79.69		335
	33	4.8	5115	2.8	65.35		
	37	5.2	4655	2.9	59.54	SK 52 - RV 30 - 145TC	4.8
	41	5.8	4213	3.4	53.81		
	45	6.4	3823	3.7	48.90		1:7
	57	8.1	3009	4.9	38.45		
	61	8.7	2823	4.1	36.03		293
	67	9.6	2549	4.1	32.56		
	68	9.7	2513	4.9	32.09		
	83	11.8	2071	5.2	26.46		
	91	13.0	1867	5.2	23.92		
	101	14.4	1699	5.6	21.68		

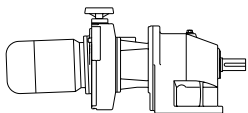
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
3.00	112	16	1531	5.6	19.60	SK 52 - RV 30 - 145TC	4.8
	123	18	1389	5.6	17.81		
	156	22	1097	5.6	14.00		1:7
	163	23	1053	6.2	13.45		
	179	26	956	6.8	12.20		293
	207	29	827	6.2	10.58		
	248	35	691	6.2	8.83		
	284	41	603	6.7	7.70		
	301	43	569	6.8	7.27		
	341	49	503	6.7	6.42		
	391	56	438	6.2	5.60		
	475	68	361	6.8	4.61		
	536	76	319	6.7	4.08		
	38	5.4	4558	2.1	58.27	SK 43 - RV 30 - 145TC	4.8
	45	6.4	3797	2.4	48.56		1:7
	53	7.6	3204	2.7	40.98		262
	43	6.1	3991	1.9	50.98	SK 42 - RV 30 - 145TC	4.8
	53	7.6	3230	2.5	41.29		
	62	8.9	2761	3.2	35.25		1:7
	75	10.7	2292	3.9	29.29		229
	89	12.6	1929	4.1	24.67		
	100	14.3	1708	4.1	21.87		
	124	18	1389	4.9	17.71		
	152	22	1124	5.3	14.38		
	178	25	965	5.3	12.28		
	215	31	798	5.3	10.20		
	257	37	665	5.3	8.50		
	301	43	570	5.7	7.28		
	353	50	484	5.9	6.19		
	409	58	419	5.3	5.35		
	478	68	358	5.7	4.58		
	562	80	304	5.9	3.89		
	47	6.7	3620	1.4	46.25	SK 32 - RV 30 - 145TC	4.8
	59	8.4	2912	1.8	37.23		
	70	10.0	2434	1.9	31.16		1:7
	82	11.7	2080	1.9	26.57		
	95	13.5	1805	2.5	23.12		196
	106	15.0	1620	2.8	20.70		
	117	17	1460	2.9	18.67		
	131	19	1301	2.8	16.66		
	135	19	1274	3.2	16.25		
	146	21	1177	2.9	15.03		
	150	21	1142	3.2	14.55		
	187	27	920	3.2	11.71		
	223	32	766	3.2	9.80		
	262	37	654	3.2	8.36		
	277	39	618	3.4	7.90		
	310	44	551	2.9	7.05		
	325	46	527	3.4	6.74		
	384	55	446	3.5	5.70		
	398	57	430	3.2	5.50		
	494	70	347	3.4	4.43		
	583	83	294	3.5	3.75		
	76	10.8	2257	1.2	28.80	SK 22 - RV 30 - 145TC	4.8
	92	13.1	1859	1.4	23.74		1:7
	109	16	1566	1.6	20.03		172



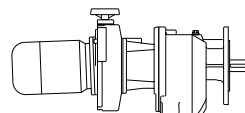
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
3.00	149	21	1151	2.2	14.69	SK 22 - RV 30 - 145TC	4.8
	179	26	956	2.7	12.20		
	201	29	852	2.8	10.89		1:7
	258	37	664	2.7	8.48		
	289	41	592	2.8	7.57		172
	336	48	509	2.9	6.51		
	378	54	453	3.0	5.79		
	422	60	405	2.7	5.18		
	474	68	361	2.8	4.62		
	551	79	311	2.9	3.97		
	620	88	276	3.0	3.53	SK 31E - RV 30 - 145TC	4.8
	784	112	219	3.2	2.79		
	267	38	642	1.4	8.20		1:7
	596	85	287	2.8	3.67		
	661	94	259	2.9	3.31		168
	848	121	202	3.2	2.58	SK - RV 30 F - 145TC	
	1052	150	163	3.4	2.08		
	1243	177	138	3.5	1.76		
	2188	312	78.2	No			4.8
							1:7
							130
5.00	12.1	2.4	23488	1.4	180.57	SK 63 - RV 40 - 184TC	7.6
	15.0	3.0	18957	1.7	145.71		
	17	3.3	17240	1.9	132.54		1:5
	20	4.1	14036	2.4	106.95		
	25	5.0	11328	2.5	87.06		492
	28	5.7	10080	2.9	77.46		
	35	7.0	8177	3.2	62.87		
	41	8.1	7000	3.4	53.82		
	43	8.6	6602	3.2	50.73		
	50	10.1	5646	3.4	43.43		
	61	12.1	4699	3.2	36.11		
	71	14.2	3.4	30.91			
	83	17	3416	3.6	26.28		
	100	20	2859	3.6	21.98		
	105	21	2699	3.6	20.77	SK 53 - RV 40 - 184TC	7.6
	126	25	2257	3.6	17.37		1:5
	21	4.1	13771	1.3	105.87		412
	23	4.6	12425	1.4	95.49		
	27	5.5	10363	1.4	79.69	SK 52 - RV 40 - 184TC	
	33	6.7	8505	1.7	65.35		
	37	7.4	7744	1.8	59.54		7.6
	41	8.1	7000	2.0	53.81		
	45	9.0	6363	2.2	48.90		1:5
	54	10.8	5248	2.8	40.37		
	57	11.4	5000	3.0	38.45		370
	60	11.9	4770	2.9	36.69		
	68	13.6	4177	3.0	32.09		
	76	15.0	3752	4.5	28.85		
	83	17	3443	3.1	26.46		
	91	18	3133	4.6	24.07		
	101	20	2823	3.4	21.68		
	112	22	2549	3.4	19.60		
	123	25	2319	3.4	17.81		
	156	31	1823	3.4	14.00		

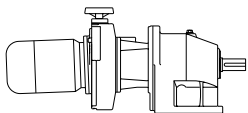
VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
5.00	163	33	1752	3.7	13.45	SK 52 - RV 40 - 184TC	7.6
	179	36	1584	4.1	12.20		
	207	41	1381	3.7	10.58		1:5
	248	50	1151	3.7	8.83		
	284	57	1000	4.0	7.70		370
	301	60	947	4.1	7.27		
	341	68	835	4.0	6.42		
	391	78	728	3.7	5.60		
	475	95	600	4.1	4.61		
	536	107	531	4.0	4.08		
	43	8.6	6629	1.1	50.98	SK 42 - RV 40 - 184TC	7.6
	53	10.6	5372	1.5	41.29		
	62	12.4	4584	1.9	35.25		1:5
	75	15.0	3814	2.4	29.29		
	85	17	3363	2.7	25.88		306
	89	18	3213	2.5	24.67		
	102	20	2797	3.3	21.50		
	122	24	2328	3.7	17.92		
	152	30	1867	3.2	14.38		
	178	36	1602	3.2	12.28		
	215	43	1328	3.2	10.20		
	257	52	1106	3.2	8.50		
	301	60	947	3.4	7.28		
	353	71	805	3.6	6.19		
	409	82	696	3.2	5.35		
	478	96	596	3.4	4.58		
	562	113	506	3.6	3.89		
	59	11.8	4841	1.1	37.23	SK 32 - RV 40 - 184TC	7.6
	70	14.1	4053	1.1	31.16		
	82	16	3460	1.1	26.57		1.5
	95	19	3009	1.5	23.12		
	106	21	2690	1.8	20.70		273
	117	23	2425	2.0	18.67		
	135	27	2115	2.1	16.25		
	146	29	1956	2.3	15.03		
	150	30	1894	2.6	14.55		
	187	37	1522	2.6	11.71		
	223	45	1274	2.6	9.80		
	262	52	1089	2.6	8.36		
	277	55	1027	2.9	7.90		
	310	62	920	2.3	7.05		
	325	65	877	2.9	6.74		
	384	77	742	3.1	5.70		
	398	80	715	2.6	5.50		
	494	90	576	2.9	4.43		
	583	117	488	3.1	3.75		
	149	30	1912	1.3	14.69	SK 22 - RV 40 - 184TC	7.6
	179	36	1584	1.7	12.20		
	201	40	1416	1.9	10.89		1.5
	258	52	1106	2.1	8.48		
	289	58	982	2.2	7.57		249
	319	64	894	2.5	6.86		
	336	67	847	2.4	6.51		
	378	76	753	2.5	5.79		
	422	85	673	2.1	5.18		
	474	95	601	2.2	4.62		
	551	110	517	2.4	3.97		
	620	124	459	2.5	3.53		
	784	157	363	2.8	2.79		



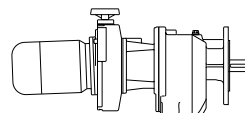
VARIABLE SPEED HELICAL GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
5.00	267	53	929	1.0	8.20	SK 31E - RV 40 - 184TC	7.6
	596	119	477	2.0	3.67		
	661	132	431	2.2	3.31		1:5
	848	170	335	2.6	2.58		
	1052	211	271	2.9	2.08		245
	1243	249	229	3.1	1.76		
	2188	438	130	No Gearbox		SK - RV 40 F - 184TC	7.6 1:5 207
7.50	15.0	3.0	28497	1.1	145.71	SK 63 - RV 40 - 213TC	11
	17	3.3	25922	1.3	132.54		
	20	4.1	21098	1.5	107.89		1:5
	25	5.0	17027	1.6	87.06		
	28	5.7	15151	1.9	77.46		531
	35	7.0	12293	2.1	62.87		
	41	8.1	10523	2.3	53.82		
	43	8.6	9921	2.1	50.73		
	50	10.1	8496	2.3	43.43		
	61	12.1	7062	2.1	36.11		
	71	14.2	6045	2.3	30.91	SK 52 - RV 40 - 213TC	
	83	17	5142	2.4	26.28		
	100	20	4301	2.4	21.98		
	105	21	4062	2.4	20.77		
	126	25	3398	2.4	17.37		
	37	7.4	11647	1.2	59.54		11
	41	8.1	10523	1.3	53.81		
	45	9.0	9567	1.5	48.90		1:5
	54	10.8	7894	1.8	40.37		
	57	11.4	7523	2.0	38.45		
	60	11.9	7177	2.0	36.69		410
	68	13.6	6275	2.0	32.09		
	76	15.0	5646	3.0	28.85		
	83	17	5177	2.1	26.46		
	91	18	4708	3.1	24.07		
	101	20	4239	2.3	21.68		
	112	22	3832	2.3	19.60		
	123	25	3487	2.2	17.81		
	156	31	2735	2.3	14.00		
	163	33	2628	2.5	13.45		
	179	36	2390	2.7	12.20		
	207	41	2071	2.5	10.58		
	248	50	1726	2.5	8.83		
	284	57	1505	2.7	7.70		
	301	60	1425	2.7	7.27		
	341	68	1257	2.7	6.42		
	391	78	1097	2.5	5.60		
	475	95	903	2.7	4.61		
	536	107	798	2.7	4.08		
	62	12.4	6894	1.3	35.25	SK 42 - RV 40 - 213TC	11
	75	15.0	5726	1.6	29.29		
	85	17	5062	1.8	25.88		1:5
	89	18	4823	1.6	24.67		
	102	20	4204	2.2	21.50		346
	122	24	3505	2.5	17.92		
	152	30	2814	2.1	14.38		
	178	36	2398	2.1	12.28		

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

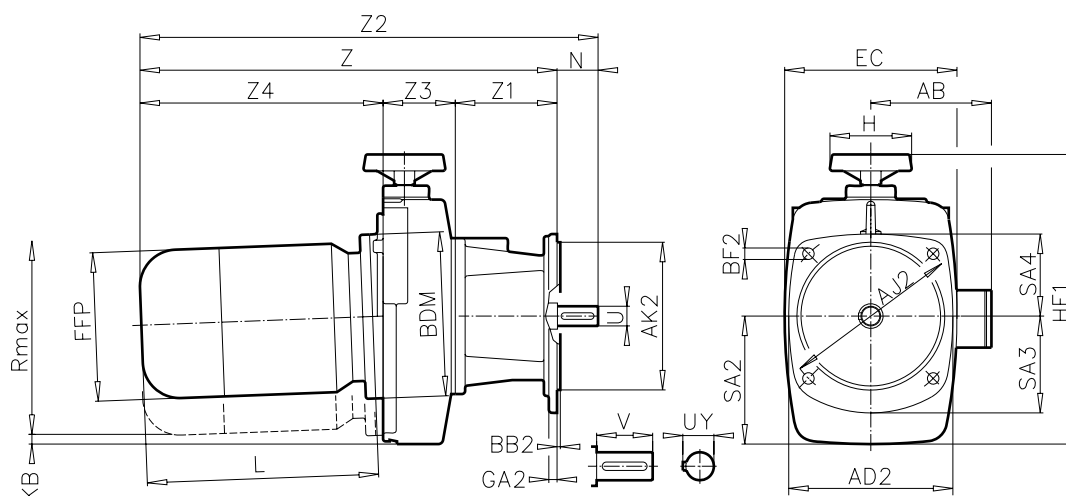
Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
7.50	215	43	1991	2.1	10.20	SK 42 - RV 40 - 213TC	11
	257	52	1664	2.1	8.50		
	301	60	1425	2.3	7.28		1:5
	353	71	1212	2.4	6.19		
	409	82	1044	2.1	5.35		346
	478	96	894	2.3	4.58		
	562	113	761	2.4	3.89		
	106	21	4044	1.2	20.70	SK 32 - RV 40 - 213TC	11
	117	23	3655	1.4	18.67		
	135	27	3177	1.4	16.25		1:5
	146	29	2938	1.5	15.03		
	150	30	2850	1.7	14.55		313
	187	37	2292	1.7	11.71		
	223	45	1920	1.7	9.80		
	262	52	1637	1.7	8.36		
	277	55	1549	1.9	7.90		
	310	62	1381	1.5	7.05		
	325	65	1319	1.9	6.74		
	384	77	1115	2.1	5.70		
	398	80	1080	1.7	5.50		
	494	99	866	1.9	4.43		
	583	117	734	2.1	3.75		
	179	36	2390	1.2	12.20	SK 22 - RV 40 - 213TC	11
	201	40	2133	1.3	10.89		
	258	52	1655	1.4	8.48		1:5
	289	58	1478	1.5	7.57		
	319	64	1345	1.7	6.86		289
	336	67	1274	1.6	6.51		
	378	76	1133	1.7	5.79		
	422	85	1009	1.4	5.18		
	474	95	903	1.5	4.62		
	551	110	776	1.6	3.97		
	620	124	690	1.7	3.53		
	784	157	546	1.9	2.79		
	596	119	718	1.4	3.67	SK 31E - RV 40 - 213TC	11
	661	132	648	1.4	3.31		
	848	170	504	1.7	2.58		1:5
	1052	211	407	1.9	2.08		
	1243	249	344	2.1	1.76		284
2188	438		196	No Gearbox		SK - RV 40 F - 213TC	11 1:5 247

NOTES

VARIABLE SPEED MOTORS



FRICITION DRIVE UNITS



Type	Fitting flange	Outline dimensions												Motor				Shaft dimensions (mm)		
		SA2	N	Z2	*KB	Z1	Z	Z3	Z4	HF1	H	EC	Rmax	AB	BDM	FP	L	U	UY	V
SK RV10 - 56 C	160 S	3.62	1.22	17.17	-1.38	3.23	15.95	2.64	10.08	9.21	3.15	4.72	1.38	5.30	4.13	7.20	9.30	14	16.0	30
	250 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	10.30	19	21.5	40
SK RV20 - 56 C - 143 TC	160 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	10.30	19	21.5	40
	250 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	10.30	19	21.5	40
SK RV30 - 145 TC	160 S	6.14	1.81	22.45	0	5.12	20.64	3.47	12.05	13.90	3.94	8.27	2.80	5.30	7.87	7.20	11.30	24	27.0	50
	250 S	6.14	1.81	22.45	0	5.12	20.64	3.47	12.05	13.90	3.94	8.27	2.80	5.30	7.87	7.20	11.30	24	27.0	50
SK RV40 - 184 TC - 213 TC	250 S and 300 S	8.03	2.62	28.07	0	6.14	25.45	4.21	15.10	17.56	4.92	10.63	3.66	5.90	9.84	8.50	14.00	28	31.0	60
	300 S	8.03	2.62	28.07	0	6.14	25.45	4.21	15.10	17.56	4.92	10.63	3.66	5.90	9.84	8.50	14.00	28	31.0	60

*KB= negative values are beyond SA2

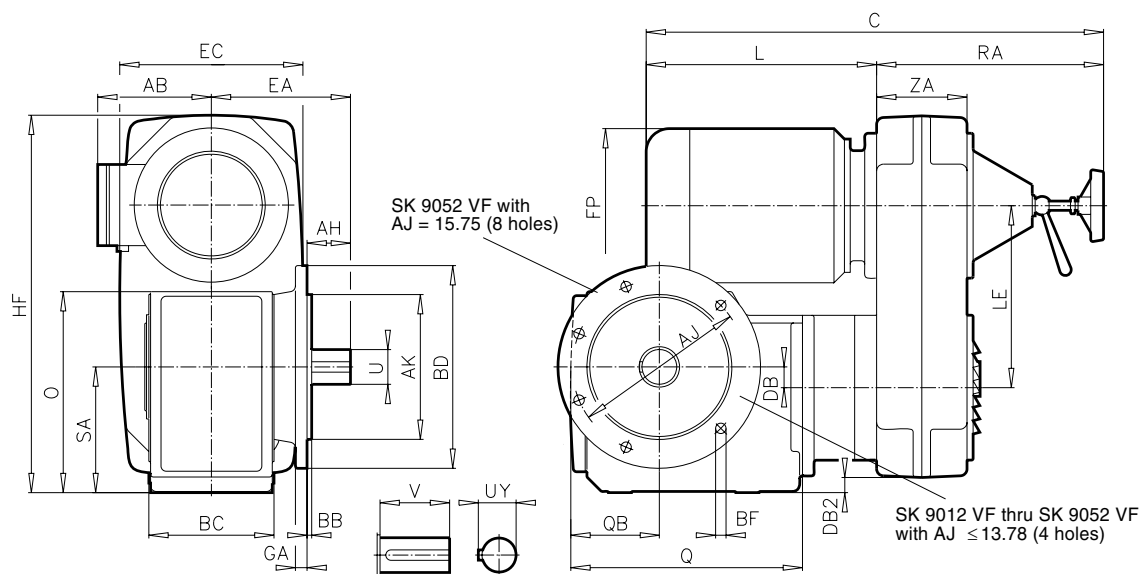
Fitting flange	Mounting dimensions							
	AD2	SA3	SA4	AK2	GA2	AJ2	BB2	BF2
160 S	5.12	3.15	2.48	4.331	0.47	5.12	0.14	0.35
250 S	7.87	4.65	3.94	7.087	0.63	8.47	0.16	0.55
300 S	9.84	5.98	4.92	9.055	0.79	10.43	0.16	0.55

Technical design may be subject to change

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



U -DESIGN, FLANGE MOUNTED, TRIPLE REDUCTION



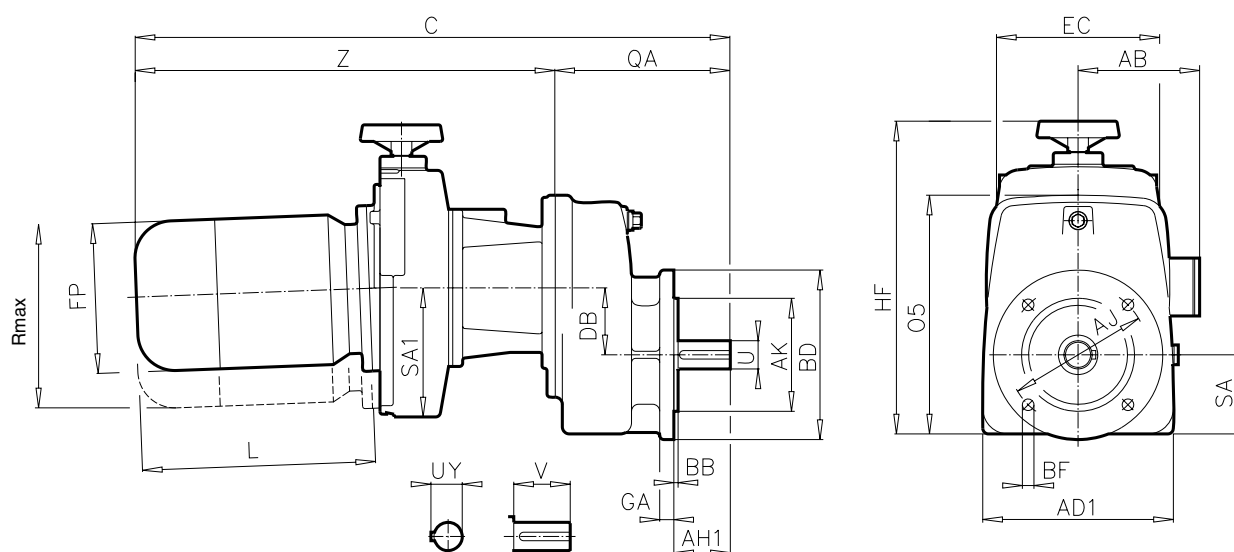
Type	Gear reducer dimensions							Outline dimensions				Motor dimensions			Shaft dimensions		
	AJ	BB	BF	AH	DB	O	QB	C	DB2	HF	RA	AB	FP	L	U	UY	V
	AK	BD	GA	BC	EA	Q	SA		EC	LE	ZA				Key		
SK 9012 VF	6.50	0.14	0.43	0.87	0.39	7.76	3.23	24.96 8.19	0.08 8.19	16.69 8.74	10.43 4.17	5.30	7.20	11.30	1.250	1.36	2.36
- R 150 U - 145 TC	5.118	7.87	0.47	5.67	5.32	9.80	4.41								1/4 x 1/4 x 2		
SK 9022 VF	8.47	0.16	0.55	1.06	0.55	9.57	4.02	26.65 8.19	1.14 8.19	17.64 8.74	10.43 4.17	5.30	7.20	11.30	1.375	1.51	2.76
- R 150 U - 145 TC	7.087	9.84	0.63	6.46	6.34	11.50	5.63								5/16 x 5/16 x 2-1/4		
SK 9032 VF	8.47	0.16	0.55	1.81	0.94	11.81	4.96	30.20 9.84	1.43 9.84	21.02 10.16	12.60 5.04	5.90 5.90	8.50 8.50	12.30 14.00	1.750	1.92	3.54
- R 196 U - 182 TC	7.087	9.84	0.63	7.87	7.72	13.11	7.09								3/8 x 3/8 x 2-3/4		
- 184 TC	10.43	0.16	0.55														
	9.055	11.81	0.79														
SK 9052 VF	13.78	0.20	0.71	3.50	1.61	16.81	7.28	43.54 16.30	0.56 16.30	33.78 16.81	19.53 8.27	9.70 12.70	13.30 15.20	20.00 20.30	2.875	3.20	5.51
- R 300 U - 256 TC	11.811	15.75	0.79	11.42	11.42	19.09	10.32								3/4 x 3/4 x 3-1/2		
- 284 TC	or																
- 286 TC	15.75	0.20	8x0.71														
- R 350 U - 200 L	13.780	17.72	0.87					43.54	0.56	33.78	19.53	12.05	15.35	27.09			
								16.30	16.30	16.81	8.27						
SK 9062 VF	15.75	0.20	0.71	4.65	2.00	20.00	8.58	48.58 16.30	2.25 16.30	35.37 16.81	19.53 8.27	9.70	13.30	20.00	3.625	4.01	6.69
- R 300 U - 256 TC	13.780	17.72	0.87	13.78	13.58	22.36	12.40								7/8 x 7/8 x 4-5/8		
- R 375 U - 225 S																	
- 225 M																	
- R 400 U - 250 M																	
								54.72	0.56	40.96	22.44	12.05	15.67	27.09			
								19.69	19.69	20.71	9.45	12.05	15.67	27.09			
								54.72	0.56	40.96	22.44	16.93	17.44	31.10			
								19.69	19.69	20.71	9.45						
SK 9082 VF	19.69	0.20	0.71	6.42	2.05	24.33	9.45	60.08 19.69	2.87 19.69	43.27 20.71	22.44 9.45	12.05	15.67	27.09	4.375	4.82	8.27
- R 375 U - 225 S	17.717	21.65	1.10	17.72	16.54	28.35	14.76								1 x 1 x 5-3/4		
- 225 M																	
- R 400 U - 250 M																	
- R 500 U - 280 S								63.23	-0.48	61.10	25.24	17.91	21.65	34.06			
- 280 M								19.69	19.69	35.20	11.81	17.91	21.65	34.06			
- 315 S												20.28	24.41	38.19			

Technical design may be subject to change. DXF files available upon request.

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, SINGLE REDUCTION



Type	Mounting dimensions			Outline dimensions												Motor			Shaft dimensions		
	AJ	BB	BF	AD1	C	DB	EC	HF	O5	QA	Rmax	SA	SA1	Z	AB	FP	L	U	UY	V	
	AK	BD	GA	AH1															Key		
SK 11EF - RV10 - 56 C - RV20 - 56 C - 143 TC	4.53	0.12	0.35	5.31	20.80	1.97	4.72	9.76	6.65	4.85	1.38	2.20	3.62	15.95	5.30	7.20	9.30	0.750	0.83	1.50	
	3.740	5.51	0.39	1.50	22.62		6.10	10.47			1.93		4.57	17.77	5.30	7.20	9.30				
					23.62									18.77	5.30	7.20	10.30				
																				3/16 x 3/16 x 1	
SK 21EF - RV30 - 145 TC	5.12	0.14	0.35	7.28	26.55	2.40	8.27	12.76	8.94	6.15	2.80	2.60	6.14	20.40	5.30	7.20	11.30	1.000	1.11	2.13	
	4.331	6.30	0.39	2.13																	
																				1/4 x 1/4 x 1-5/8	
SK 31EF - RV30 - 145 TC - RV40 - 184 TC - 213 TC	6.50	0.14	0.43	8.27	28.11	2.99	8.27	13.98	10.24	7.71	3.66	3.23	8.03	20.40	5.30	7.20	11.30	1.250	1.36	2.75	
	5.118	7.87	0.47	2.75	33.16		10.63	15.75					8.03	25.45	5.90	8.50	14.00				
					34.76									27.05	7.40	10.30	15.60				
																				1/4 x 1/4 x 2-1/4	

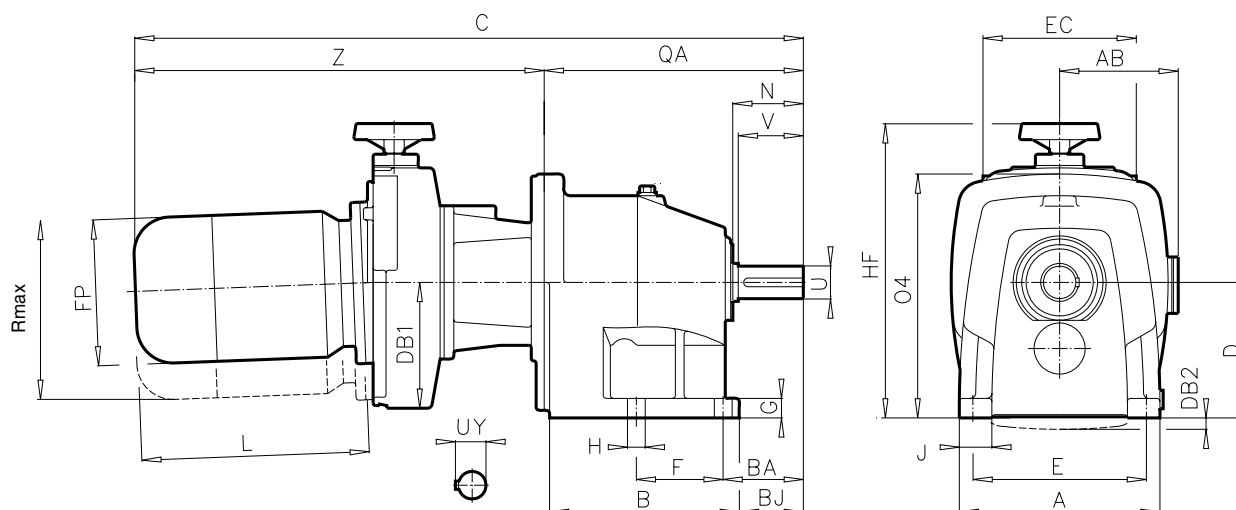
ADDITIONAL FLANGE SIZES AVAILABLE						
SIZE	AJ	AK	BB	BD	BF	GA
SK 11 EF ..	3.94	3.150	0.12	4.72	0.28	0.39
SK 12 EF ..	4.53	3.740	0.12	5.51	0.35	0.39

Technical design may be subject to change.

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, DOUBLE REDUCTION



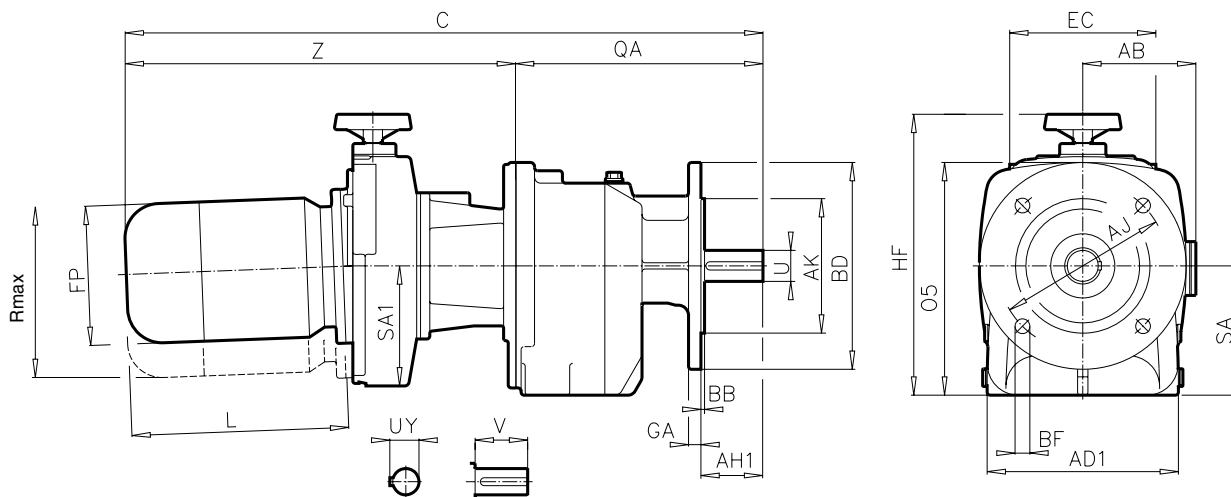
Type	Mounting dimensions				Outline dimensions														Motor			Shaft dimensions		
	A	E	G	J	BA	C	D	DB1	DB2	EC	HF	N	O4	QA	Rmax	Z	AB	FP	L	U	UY	V		
	B	F	H		BJ																		Key	
SK 02 - RV10 - 56 C - RV 20 - 56 C - 143 TC	5.12	4.33	0.47	0.98	1.97	23.04	3.39	3.62	0.23	4.72	8.98	1.62	6.02	7.09	1.38	15.95	5.30	7.20	9.30	0.750	0.83	1.50		
					1.58	24.86		4.57	1.18	6.10	9.69				1.93	17.77	5.30	7.20	9.30				3/16 x 3/16 x 1	
	5.28	2.36	0.35			25.86									18.77	5.30	7.20	10.30						
SK 12 - RV10 - 56 C - RV20 - 56 C - 143 TC - RV30 - 145 TC	5.31	4.13	0.59	1.19	3.23	24.18	4.02	3.62	0	4.72	9.61	2.28	6.69	8.23	1.38	15.95	5.30	7.20	9.30	1.000	1.11	2.13		
					2.52	26.00		4.57	0.55	6.10	10.32				1.93	17.77	5.30	7.20	9.30					
	5.47	2.44	0.35			27.00									18.77	5.30	7.20	10.30						
						28.87		6.14	2.12	8.27	11.78				2.80	20.64	5.30	7.20	11.30				1/4 x 1/4 x 1-5/8	
SK 22 - RV20 - 56 C - 143 TC - RV30 - 145 TC - RV40 - 184 TC - 213 TC	7.28	6.30	0.71	1.38	3.30	27.33	4.92	4.57	0	6.10	11.22	2.95	8.86	9.80	1.93	17.53	5.30	7.20	9.30	1.250	1.36	2.75		
						28.33									18.53	5.30	7.20	10.30						
	6.89	3.15	0.43			30.20		6.14	1.72	8.27	12.68				2.80	20.40	5.30	7.20	11.30					
					2.71	35.25		8.03	3.11	10.63	14.45				3.66	25.45	5.90	8.50	14.00					
						36.85									27.05	7.40	10.30	15.60				1/4 x 1/4 x 2-1/4		
SK 32 - RV20 - 56 C - 143 TC - RV30 - 145 TC - RV40 - 184 TC - 213 TC	8.27	7.28	0.79	1.57	3.88	29.40	6.10	4.57	0	6.10	12.40	3.49	10.16	11.87	1.93	17.53	5.30	7.20	9.30	1.625	1.79	3.25		
						30.40									18.53	5.30	7.20	10.30						
	8.43	4.72	0.51			32.27		6.14	0.04	8.27	13.86				2.80	20.40	5.30	7.20	11.30					
					3.21	37.32		8.03	1.93	10.63	15.63				3.66	25.45	5.90	8.50	14.00					
						38.92									27.05	7.40	10.30	15.60				3/8 x 3/8 x 2-1/2		
SK 42 - RV30 - 145 TC - RV40 - 184 TC - 213 TC	8.46	6.89	0.98	1.57	5.08	34.18	6.89	6.14	0	8.27	14.65	3.74	11.81	13.78	2.80	20.40	5.30	7.20	11.30	1.875	2.09	3.50		
						29.25		8.03	1.14	10.63	16.42				3.66	25.45	5.90	8.50	14.00					
	9.41	4.72	0.51		4.13	40.83									27.05	7.40	10.30	15.60				1/2 x 1/2 x 2-3/4		
SK 52 - RV30 - 145 TC - RV40 - 184 TC - 213 TC	10.24	8.66	1.38	1.77	5.18	36.21	8.35	6.14	0	8.27	16.11	4.24	13.27	15.81	2.80	20.40	5.30	7.20	11.30	2.250	2.47	4.00		
						41.26		8.03	0	10.63	17.88				3.66	25.45	5.90	8.50	14.00					
	11.14	5.91	0.71		4.39	42.86									27.05	7.40	10.30	15.60				1/2 x 1/2 x 3-1/4		

Technical design may be subject to change.

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, DOUBLE REDUCTION



Type	Mounting dimensions			Outline dimensions										Motor			Shaft dimensions		
	AJ	BB	BF	AD1	C	EC	HF	O5	QA	Rmax	SA	SA1	Z	AB	FP	L	U	UY	V
	AK	BD	GA	AH1															
SK 02 F - RV10 - 53 C - RV20 - 56 C - 143 TC	5.12	0.14	0.35	5.12	23.04	4.72	9.09	6.14	7.09	1.38	3.50	3.62	15.95	5.30	7.20	9.30	0.750	0.83	1.50
					24.86	6.10	9.80			1.93		4.57	17.77	5.30	7.20	9.30			
	4.331	6.30	0.39	1.50	25.86							18.77	5.30	7.20	10.30		3/16 x 3/16 x 1		
SK 12 F - RV10 - 56 C - RV20 - 56 C - 143 TC - RV30 - 145 TC	5.12	0.14	0.35	5.32	24.18	4.72	9.76	6.85	8.23	1.38	4.17	3.62	15.95	5.30	7.20	9.30	1.000	1.11	2.13
					26.00	6.10	10.47			1.93		4.57	17.77	5.30	7.20	9.30			
	4.331	6.30	0.39	2.13	27.00							18.77	5.30	7.20	10.30		1/4 x 1/4 x 1-5/8		
SK 22 F - RV20 - 56 C - 143 TC - RV30 - 145 TC - RV40 - 184 TC - 213 TC	6.50	0.14	0.43	7.28	27.33	6.10	11.22	8.86	9.80	1.93	4.92	4.57	17.53	5.30	7.20	9.30	1.250	1.36	2.75
					28.33							18.53	5.30	7.20	10.30				
	5.118	7.87	0.47	2.75	30.20	8.27	12.68			2.80		6.14	20.40	5.30	7.20	11.30	1/4 x 1/4 x 2-1/4		
SK 32 F - RV20 - 56 C - 143 TC - RV30 - 145 TC - RV40 - 184 TC - 213 TC	8.46	0.16	0.55	8.27	29.40	6.10	12.40	10.16	11.87	1.93	6.10	4.57	17.53	5.30	7.20	9.30	1.625	1.79	3.25
					30.40							18.53	5.30	7.20	11.30				
	7.087	9.84	0.63	3.25	32.27	8.27	13.86			2.80		6.14	20.40	5.30	7.20	11.30	3/8 x 3/8 x 2-1/2		
SK 42 F - RV30 - 145 TC - RV40 - 184 TC - 213 TC	8.46	0.16	0.55	8.47	34.18	8.27	14.65	11.81	13.78	2.80	6.89	6.14	20.40	5.30	7.20	11.30	1.875	2.09	3.50
					39.25	10.63	16.42			3.66		8.03	25.45	5.90	8.50	14.00			
	7.087	9.84	0.63	3.50	40.83							27.05	7.40	10.30	15.60		1/2 x 1/2 x 2-3/4		
SK 52 F - RV30 - 145 TC - RV40 - 184 TC - 213 TC	10.43	0.16	0.55	10.24	36.21	8.27	16.11	13.27	15.81	2.80	8.35	6.14	20.40	5.30	7.20	11.30	2.250	2.47	4.00
					41.26	10.63	17.88			3.66		8.03	25.45	5.90	8.50	14.00			
	9.055	11.81	0.79	4.00	42.86							27.05	7.40	10.30	15.60		1/2 x 1/2 x 3-1/4		

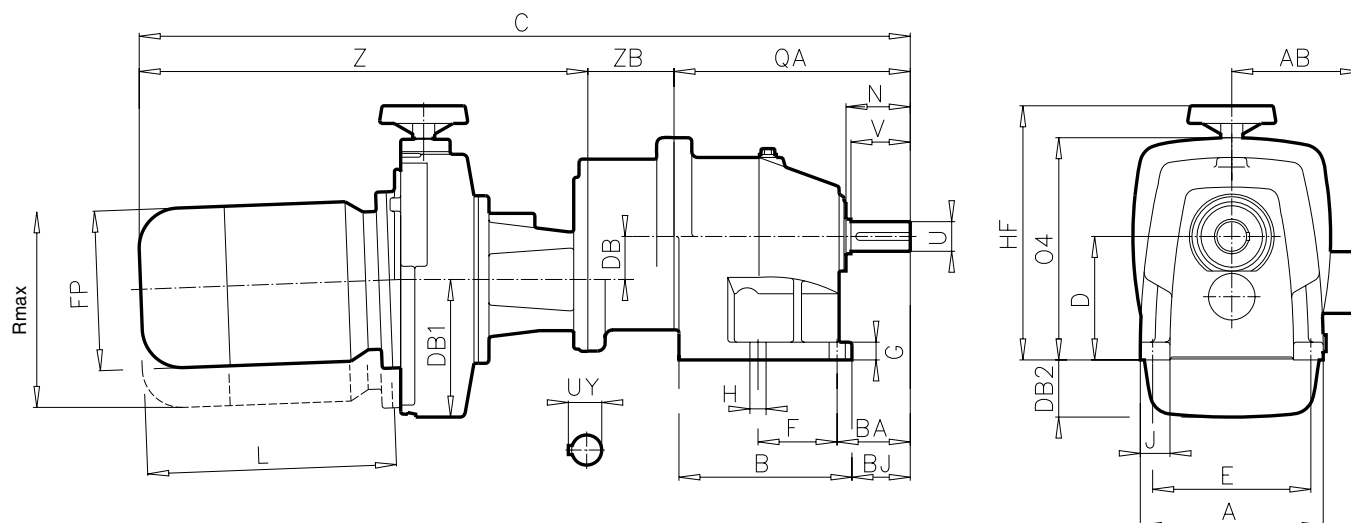
ADDITIONAL FLANGE SIZES AVAILABLE						
SIZE	AJ	AK	BB	BD	BF	GA
SK 02 F ..	3.94 / 4.53	3.150 / 3.740	0.12 / 0.12	4.72 / 5.51	0.28 / 0.35	0.39 / 0.39
SK 12 F ..	3.94 / 4.53	3.150 / 3.740	0.12 / 0.12	4.72 / 5.51	0.28 / 0.35	0.39 / 0.39
SK 22 F ..	5.12	4.331	0.14	6.30	0.35	0.39
SK 32 F ..	6.50	5.118	0.14	7.87	0.43	0.47
SK 42 F ..	6.50	5.118	0.14	7.87	0.43	0.55
SK 52 F ..	8.46	7.087	0.16	9.84	0.55	0.63

Technical design may be subject to change

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION



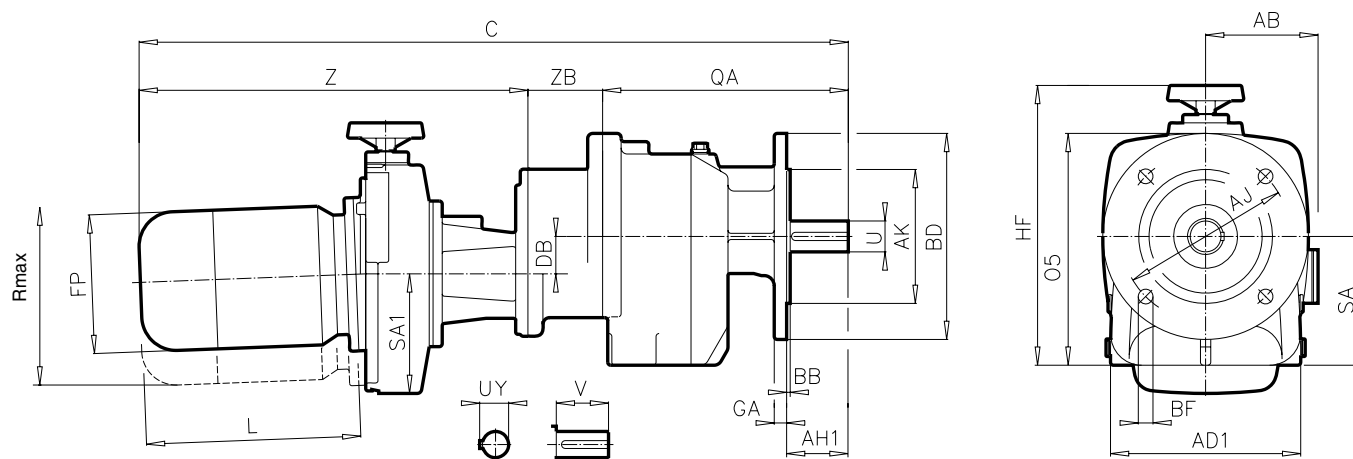
Type				Mounting dimensions				Outline dimensions													Motor			Shaft dimensions		
				A	E	G	J	BA	C	D	DB1	DB2	HF	N	O4	QA	Rmax	Z	ZB	AB	FP	L	U	UY	V	
				B	F	H		BJ		DB														Key		
SK 13	- RV10	- 56 C	5.31	4.13	0.59	1.19	3.23	26.46	4.02	3.62	0.78	8.43	2.28	6.69	8.23	1.38	15.95	2.28	5.30	7.20	9.30	1.000	1.11	2.13		
			5.47	2.44	0.35		2.52		1.18													1/4 x 1/4 x 1-5/8				
SK 23	- RV10	- 56 C	7.28	6.30	0.71	1.38	3.30	28.11	4.92	3.62	0.37	8.84	2.95	8.86	9.80	1.38	15.95	2.36	5.30	7.20	9.30	1.250	1.36	2.75		
	- RV20	- 56 C - 143 TC						29.93		4.57	1.32	9.55				1.93	17.77		5.30	7.20	9.30					
			6.89	3.15	0.43		2.71	30.93	1.67								18.77		5.30	7.20	10.30	1/4 x 1/4 x 2-1/4				
SK 33	- RV10	- 56 C	8.27	7.28	0.79	1.57	3.88	30.18	6.10	3.62	0	9.72	3.49	10.16	11.87	1.38	15.95	2.36	5.30	7.20	9.30	1.625	1.79	3.25		
	- RV20	- 56 C - 143 TC						32.00		4.57	0.44	10.43				1.93	17.77		5.30	7.20	9.30					
			8.43	4.72	0.51		3.21	33.00	1.97								18.77		5.30	7.20	10.30	3/8 x 3/8 x 2-1/2				
SK 43	- RV20	- 56 C - 143 TC	8.46	6.89	0.98	1.57	5.08	34.03	6.89	4.57	0.08	10.79	3.74	11.81	13.78	1.93	17.53	2.72	5.30	7.20	9.30	1.875	2.09	3.50		
								35.03									18.53		5.30	7.20	10.30					
	- RV30	- 145 TC	9.41	4.72	0.51		4.13	36.90	2.40	6.14	1.65	12.25					2.80	20.40	5.30	7.20	11.30	1/2 x 1/2 x 2-3/4				
SK 53	- RV20	- 56 C - 143 TC	10.24	8.66	1.38	1.77	5.18	36.06	8.35	4.57	0	11.66	4.24	13.27	15.81	1.93	17.53	2.72	5.30	7.20	9.30	2.250	2.47	4.00		
								37.06									18.53		5.30	7.20	10.30					
	- RV30	- 145 TC	11.14	5.91	0.71		4.39	38.93	2.99	6.14	0.78	13.12					2.80	20.40	5.30	7.20	11.30	1/2 x 1/2 x 2-3/4				
	- RV40	- 184 TC						43.98		8.03	2.67	14.89					3.66	25.45	5.30	8.50	14.00	1/2 x 1/2 x 3-1/4				

Technical design may be subject to change

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION



Type	Mounting dimensions			Outline dimensions												Motor			Shaft dimensions		
	AJ	BB	BF	AD1	C	DB	HF	O5	QA	Rmax	SA	SA1	Z	ZB	AB	FP	L	U	UY	V	
	AK	BD	GA	AH1																Key	
SK 13 F - RV10 - 56 C	5.12	0.14	0.35	3.23	26.46	1.18	8.03	6.85	8.23	1.38	4.17	3.62	15.94	2.28	5.30	7.20	9.30	1.000	1.11	2.13	
	4.331	6.30	0.39	2.52																1/4 x 1/4 x 1-5/8	
SK 23 F - RV10 - 56 C	6.50	0.14	0.43	3.30	28.11	1.67	8.84	8.86	9.80	1.38	4.92	3.62	15.95	2.36	5.30	7.20	9.30	1.250	1.36	2.75	
	- RV20 - 56 C - 143 TC				29.93		9.55			1.93		4.57	17.77		5.30	7.20	9.30				
		5.118	7.87	0.47	2.71	30.93								18.77		5.30	7.20	10.30	1/4 x 1/4 x 2-1/4		
SK 33 F - RV10 - 56 C	8.46	0.16	0.55	3.88	30.18	1.97	9.72	10.16	11.87	1.38	6.10	3.62	15.95	2.36	5.30	7.20	9.30	1.625	1.79	3.25	
	- RV20 - 56 C - 143 TC				32.00		10.43			1.93		4.57	17.77		5.30	7.20	9.30	3/8 x 3/8 x 2-1/2			
		7.087	9.84	0.63	3.21	33.00								18.77		5.30	7.20	10.30			
SK 43 F - RV20 - 56 C	8.46	0.16	0.55	5.08	34.03	2.40	10.79	11.81	13.78	1.93	6.89	4.57	17.53	2.72	5.30	7.20	9.30	1.875	2.09	3.50	
	- 143 TC				35.03								18.53		5.30	7.20	10.30				
		7.087	9.84	0.63	4.13	36.90		12.25			2.80		6.14	20.40		5.30	7.20	11.30	1/2 x 1/2 x 2-3/4		
SK 53 F - RV20 - 56 C	10.43	0.16	0.55	5.18	36.06	2.99	11.66	13.27	15.81	1.93	8.35	4.57	17.53	2.72	5.30	7.20	9.30	2.250	2.47	4.00	
	- 143 TC				37.06								18.53		5.30	7.20	10.30				
		- RV30 - 145 TC	9.055	11.81	0.79	4.39	38.93		13.12		2.80		6.14	20.40		5.30	7.20	11.30			
		- RV40 - 184 TC					43.98		14.89		3.66		8.03	25.45		5.90	8.50	14.00	1/2 x 1/2 x 3-1/4		

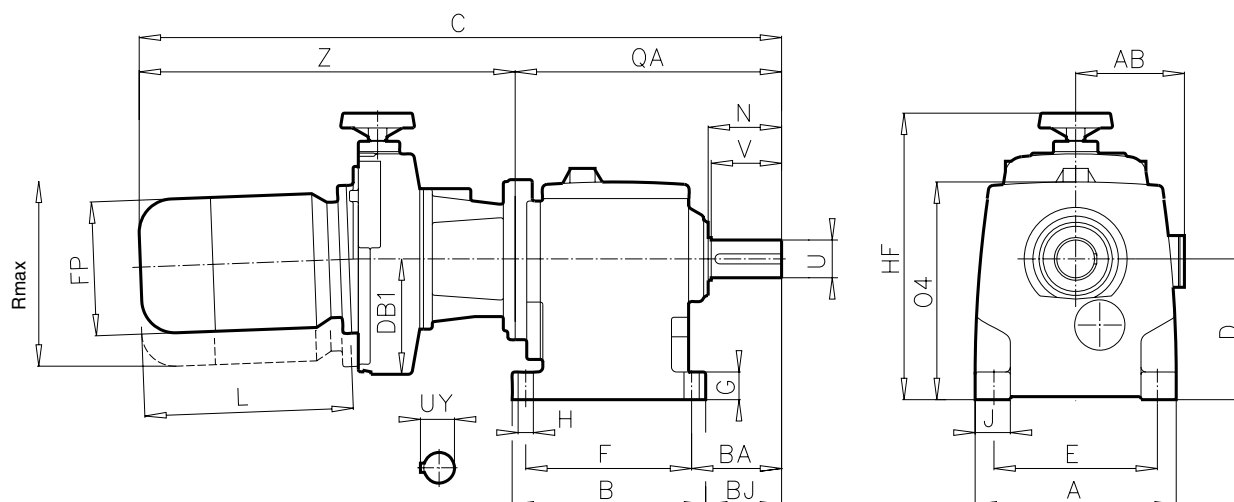
ADDITIONAL FLANGE SIZES AVAILABLE						
SIZE	AJ	AK	BB	BD	BF	GA
SK 13 F ..	3.94 / 4.53	3.150 / 3.740	0.12 / 0.12	4.72 / 5.51	0.28 / 0.35	0.39 / 0.39
SK 23 F ..	5.12	4.331	0.14	6.30	0.35	0.39
SK 33 F ..	6.50	5.118	0.14	7.87	0.43	0.47
SK 43 F ..	6.50	5.118	0.14	7.87	0.43	0.55
SK 53 F ..	8.46	7.087	0.16	9.84	0.55	0.63

Technical design may be subject to change

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION



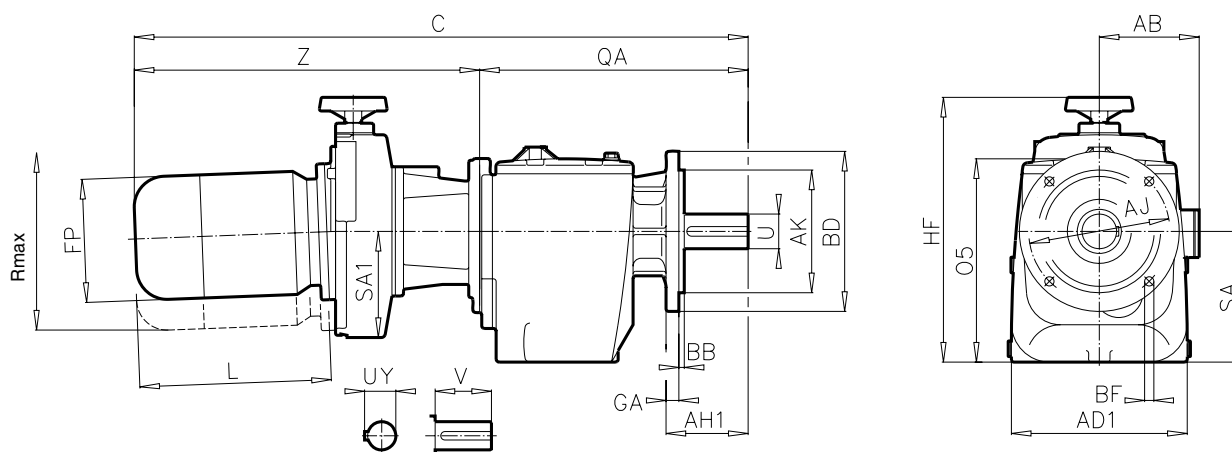
Type	Mounting dimensions				Outline dimensions												Motor			Shaft dimensions		
	A	E	G	J	BA	C	D	DB1	HF	N	O4	QA	Rmax	Z	AB	FP	L	U	UY	V	Key	
	B	F	H		BJ																	
SK 63 - RV30 - 145 TC - RV 40 - 184 TC - 213 TC	12.99	10.24	1.77	2.76	6.34	38.43	9.84	6.14	17.60	5.24	15.75	18.03	2.80	20.40	5.30	7.20	11.30	2.500	2.77	5.00		
						43.48		8.03	19.37				3.66	25.45	5.90	8.50	14.00					
	13.58	11.61	0.87		5.43	45.08								27.05	7.40	10.30	15.60				5/8 x 5/8 x 4	

Technical design may be subject to change.

VARIABLE SPEED HELICAL GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION



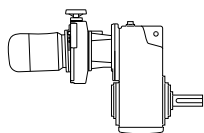
Type	Mounting dimensions			Outline dimensions									Motor			Shaft dimensions		
	AJ	BB	BF	AD1	C	HF	O5	QA	R _{max}	SA	SA1	Z	AB	FP	L	U	UY	V
	AK	BD	GA	AH1													Key	
SK 63 F - RV30 - 145 TC - RV40 - 184 TC - 213 TC	10.43	0.18	0.55	12.99	40.16	17.41	15.55	19.76	2.80	9.65	6.14	20.40	5.30	7.20	11.30	2.500	2.77	5.00
	9.055	11.81	0.95	5.00	45.21	19.18			3.66		8.03	25.45	5.90	8.50	14.00			
					46.81							27.05	7.40	10.30	15.60	5/8 x 5/8 x 4		

Technical design may be subject to change

NOTES

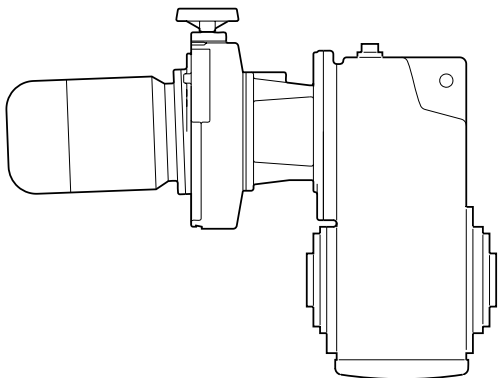
VARIABLE SPEED HELICAL-BEVEL GEAR UNITS





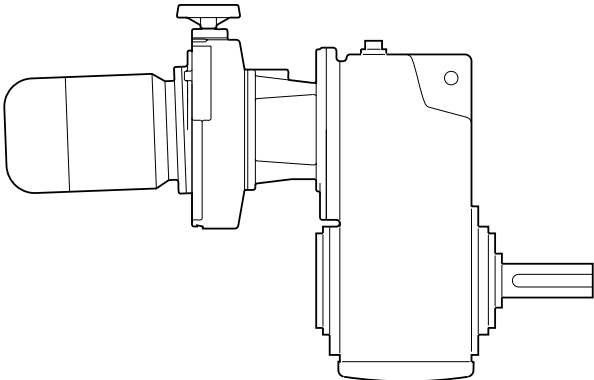
VARIABLE SPEED HELICAL SHAFT MOUNTED GEAR UNITS

GEAR TYPE	VARIABLE SPEED TYPE
SHAFT MOUNTING , HOLLOW SHAFT	
SK 1282 A - SK 5282 A Helical Shaft Mounted Gearboxes, double reduction	RV 10 Friction Drive Units RV 20 RV 30 RV 40
SK 1382 A - SK 5382 A Helical Shaft Mounted Gearboxes, double reduction	
SHAFT MOUNTING , SOLID SHAFT	
SK 1282 V - SK 5282 V Helical Shaft Mounted Gearboxes, double reduction	RV 10 B Friction Drive Units, corrosin resistant execution RV 20 B RV 30 B RV 40 B
SK 1382 V - SK 5382 V Helical Shaft Mounted Gearboxes, double reduction	
HELICAL SHAFT MOUNTING GEAR UNITS - OPTIONS see catalog 1000	

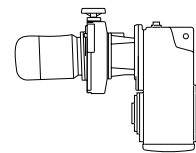


SHAFT MOUNTING WITH HOLLOW SHAFT
Variable speed helical shaft mounted gear motor with friction drive

SHAFT MOUNTING WITH SOLID SHAFT
Variable speed helical shaft mounted gear motor with friction drive



VARIABLE SPEED HELICAL SHAFT MOUNTED GEAR UNITS



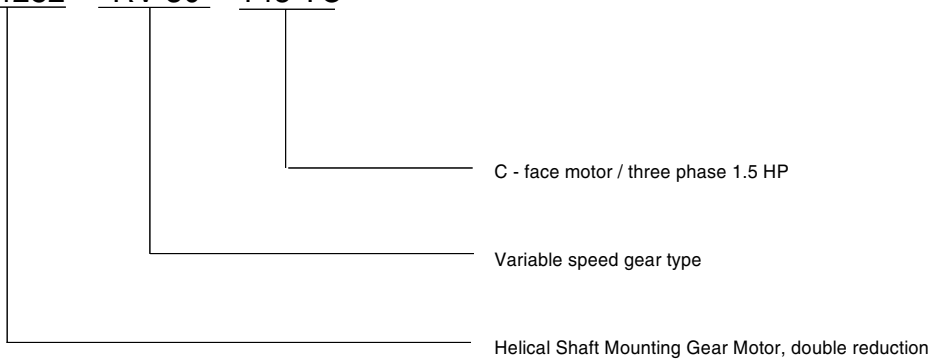
WITH FRICTION DRIVE UNIT

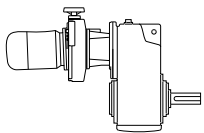
NOMENCLATURE

SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
EMFST= Electromechanical remote control SPEED INDICATORS FAA= EMFST with remote speed indicator, analog FAD = EMFST with remote speed indicator, digital	C - face 0.25 - 7.50 HP 56 C - 213 TC	Washdown Duty Energy Efficient Single Phase Stainless Steel	115 / 230 V 230 / 460 V 575 V 50 or 60 Hz

EXAMPLE FOR ORDERING:

SK 4282 - RV 30 - 145 TC





VARIABLE SPEED HELICAL SHAFT MOUNTED GEAR UNITS

MOUNTING POSITIONS

Horizontal position			
H1	H2	H3	H4
Vertical position		In all mounting positions the variable speed drive may be mounted at an angle of 90° or 180°. (affix: . /1 = right, . /2 = left, . /3 = below)	
H5	H6		

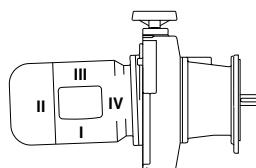
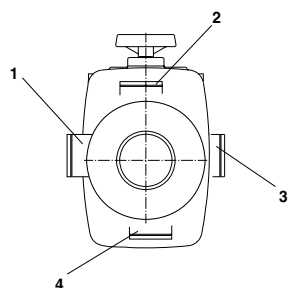
Symbols: Vent plug Drain plug Oil level Rubber buffer

POSITION OF TERMINAL BOX AND CABLE ENTRY

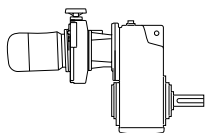
Please specify position of terminal box and cable entry.

Normal design: Terminal box at 3, cable entry at I or III only.

If other positions required, please specify exactly when ordering.



NOTES



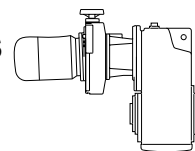
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	2.4	0.3	5859	1.2	919.00	SK 3382 - RV 10 - 56C	0.7
	2.7	0.4	5151	1.3	808.42		
	3.0	0.4	4629	1.6	726.61		1:7
	3.7	0.5	3726	2.0	584.13		
	4.5	0.6	3071	2.5	482.56		154
	5.4	0.8	2602	2.7	408.58		
	7.6	1.1	1832	4.0	287.14		
	9.5	1.4	1469	5.0	230.83		
	11.5	1.6	1212	6.3	190.69		
	13.6	1.9	1027	6.8	161.46		
	17	2.5	809	8.0	126.93		
	21	3.0	663	9.2	104.05		
	24	3.5	571	9.2	89.60		
	2.9	0.4	3089	1.0	763.41	SK 2382 - RV 10 - 56C	0.7
	3.5	0.5	3823	1.0	623.10		
	4.5	0.6	3071	1.2	482.56		1:7
	5.6	0.8	2487	1.5	390.93		
	6.6	0.9	2106	2.0	330.45		119
	7.9	1.1	1761	2.4	276.27		
	9.3	1.3	1505	2.7	236.11		
	11.8	1.7	1177	3.2	185.11		
	14.6	2.1	956	4.0	149.96		
	17	2.4	840	4.6	131.86		
	19	2.7	742	5.2	116.35		
	22	3.2	627	6.9	98.35		
	27	3.8	524	7.7	82.22		
	7.3	1.0	1920	1.2	300.93	SK 1382 - RV 10 - 56C	0.7
	8.7	1.2	1602	1.5	251.67		
	10.4	1.5	1336	1.6	209.87		1:7
	13.3	1.9	1044	1.9	163.93		
	17	2.4	821	2.4	128.82		88
	21	3.0	670	3.6	105.11		
	25	3.5	560	4.3	87.94		
	27	3.8	517	3.9	81.17	SK 1282 - RV 10 - 56C	0.7
	30	4.3	460	4.3	72.17		
	33	4.7	422	5.7	66.23		1:7
	37	5.3	375	6.4	58.89		
	40	5.6	353	5.9	55.39		79
	44	6.3	314	7.3	49.25		
	47	6.8	295	5.9	46.19		
	53	7.6	262	7.3	41.07		
	68	9.7	204	9.7	32.08		
	77	11.0	181	11.0	28.33		
	87	12.4	161	12.4	25.22		
	106	15.0	131	15.2	20.57		
	127	18	110	18.1	17.21		
	155	22	90.3	20.6	14.11		
	186	27	75.2	21.1	11.76		
	212	30	65.5	22.2	10.34		
	238	34	58.4	22.8	9.18		
	266	38	52.2	21.3	8.24		
	267	38	52.2	24.4	8.21		
	302	43	46.0	22.1	7.24		
	340	49	40.7	23.0	6.43		
	400	57	34.5	24.0	5.47		
	457	65	30.1	24.8	4.79		
2188	312		6.4	No Gearbox	22.5	SK - RV 10 F - 56C	0.7 1:7 49

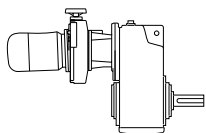
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.33	3.0	0.4	6239	1.2	726.61	SK 3382 - RV 10 - 56C	0.8
	3.7	0.5	5018	1.4	584.13		
	4.5	0.6	4142	1.9	482.56		1:7
	5.4	0.8	3505	2.0	408.58		
	7.6	1.1	2469	2.9	287.14		157
	9.5	1.4	1982	3.7	230.83		
	11.5	1.6	1637	4.7	190.69		
	13.6	1.9	1389	5.0	161.46		
	17	2.5	1089	6.0	126.93		
	21	3.0	894	6.8	104.05		
	24	3.5	769	6.8	89.60		
	5.6	0.8	3354	1.1	390.93	SK 2382 - RV 10 - 56C	0.8
	6.6	0.9	2841	1.5	330.45		
	7.9	1.1	2372	1.8	276.27		1:7
	9.3	1.3	2027	2.0	236.11		
	11.8	1.7	1593	2.4	185.11		121
	14.6	2.1	1283	3.0	149.96		
	17	2.4	1133	3.4	131.86		
	19	2.7	1000	3.8	116.35		
	22	3.2	844	5.1	98.35		
	27	3.8	706	5.7	82.22		
	8.7	1.2	2159	1.1	251.67	SK 1382 - RV 10 - 56C	0.8
	10.4	1.5	1805	1.2	209.87		
	13.3	1.9	1407	1.4	163.93		1:7
	17	2.4	1106	1.8	128.82		
	21	3.0	903	2.6	105.11		90
	25	3.5	755	3.2	87.94	SK 1282 - RV 10 - 56C	
	27	3.8	696	2.9	81.17		0.8
	30	4.3	620	3.2	72.17		
	33	4.7	568	4.2	66.23		1:7
	37	5.3	505	4.7	58.89		
	40	5.6	475	4.4	55.39		82
	44	6.3	423	5.4	49.25		
	47	6.8	396	4.4	46.19		
	53	7.6	352	5.5	41.07		
	68	9.7	275	7.2	32.08		
	77	11.0	243	8.2	28.33		
	87	12.4	217	9.2	25.22		
	106	15.0	177	11.2	20.57		
	127	18	148	13.4	17.21		
	155	22	121	15.3	14.11		
	186	27	101	15.7	11.76		
	212	30	88.5	16.4	10.34		
	238	34	78.8	16.9	9.18		
	266	38	70.8	15.7	8.24		
	267	38	70.8	18.0	8.21		
	302	43	62.0	16.4	7.24		
	340	49	54.9	17.0	6.43		
	400	57	46.9	17.6	5.47		
	457	65	40.7	18.3	4.79		
2188		312	8.6	No Gearbox		SK - RV 10 F - 56C	0.8 1:7 51
0.50	4.5	0.6	6275	1.2	482.56	SK 3382 - RV 10 - 56C	1.1
	5.4	0.8	5319	1.3	408.58		1:7
	7.6	1.1	3735	1.9	287.14		157
	9.5	1.4	3000	2.4	230.83		



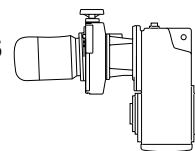
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.50	11.5	1.6	2478	3.1	190.69	SK 3382 - RV 10 - 56C	1.1
	13.6	1.9	2097	3.3	161.46		1:7
	17	2.5	1655	3.9	126.93		157
	21	3.0	1354	4.5	104.05		
	24	3.5	1168	4.5	89.60		
	7.9	1.1	3593	1.2	276.27	SK 2382 - RV 10 - 56C	1.1
	9.3	1.3	3071	1.3	236.11		
	11.8	1.7	2407	1.6	185.11		1:7
	14.6	2.1	1947	2.0	149.96		
	17	2.4	1717	2.2	131.86		121
	19	2.7	1513	2.5	116.35		
	22	3.2	1283	3.4	98.35		
	27	3.8	1071	3.8	82.22		
	17	2.4	1673	1.2	128.82	SK 1382 - RV 10 - 56C	1.1
	21	3.0	1372	1.7	105.11		1:7
	25	3.5	1142	2.1	87.94		90
	27	3.8	1053	1.9	81.17	SK 1282 - RV 10 - 56C	1.1
	30	4.3	938	2.1	72.17		
	33	4.7	862	2.8	66.23		1:7
	37	5.3	766	3.1	58.89		
	40	5.6	720	2.9	55.39		82
	44	6.3	641	3.6	49.25		
	47	6.8	601	2.9	46.19		
	53	7.6	535	3.6	41.07		
	68	9.7	418	4.8	32.08		
	77	11.0	368	5.4	28.33		
	87	12.4	328	6.1	25.22		
	106	15.0	267	7.5	20.57		
	127	18	224	8.9	17.21		
	155	22	183	10.1	14.11		
	186	27	153	10.4	11.76		
	212	30	135	10.8	10.34		
	238	34	119	11.2	9.18		
	266	38	107	10.4	8.24		
	267	38	107	11.9	8.21		
	302	43	93.8	10.8	7.24		
	340	49	84.1	11.1	6.43		
	400	57	70.8	11.7	5.47		
	457	65	62.0	12.0	4.79		
2188	312		13.0	No Gearbox		SK - RV 10 F - 56C	1.1 1:7 51
0.75	3.1	0.4	13691	1.6	700.03	SK 5382 - RV 20 - 56 C	1.6
	3.8	0.5	11151	2.1	570.18		1:7
	4.2	0.6	10275	2.2	525.20		329
	5.1	0.7	8363	3.2	427.79		
	6.0	0.9	7071	3.3	361.69		
	6.6	0.9	6487	3.5	331.48		
	8.1	1.2	5283	4.4	269.99		
	8.8	1.3	4868	4.6	248.70		
	10.8	1.5	3965	6.4	202.57		
	12.8	1.8	3354	6.4	171.27		
	14.2	2.0	3009	7.2	153.92		
	16	2.2	2717	7.4	138.82		

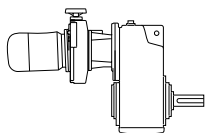
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
0.75	19	2.7	2292	7.4	117.37	SK 5382 - RV 20 - 56 C	1.6
	24	3.4	1797	7.2	91.71		1:7
	26	3.8	1620	7.4	82.72		329
	3.6	0.5	11850	1.1	605.88	SK 4382 - RV 20 - 56 C	1.6
	4.1	0.6	10416	1.4	532.44		
	4.9	0.7	8708	1.7	445.23		1:7
	5.3	0.8	8062	1.8	412.38		
	5.6	0.8	7646	1.9	390.76		240
	6.3	0.9	6744	2.2	344.84		
	6.7	1.0	6390	2.4	326.81		
	7.2	1.0	5921	2.4	302.65		
	8.0	1.1	5328	2.6	272.54		
	8.6	1.2	4947	3.1	253.12		
	10.4	1.5	4133	3.4	211.09		
	11.4	1.6	3744	3.8	191.57		
	13.7	1.9	3133	4.7	160.20		
	16	2.2	2752	5.2	140.60		
	18	2.6	2319	6.2	118.38		
	21	3.0	2027	7.0	103.82		
	25	3.6	1699	7.0	86.83		
	7.6	1.1	5620	1.3	287.14	SK 3382 - RV 10 - 56C	1.6
	9.5	1.4	4514	1.6	230.83		
	11.5	1.6	3726	2.1	190.69		1:7
	13.6	1.9	3159	2.2	161.46		
	17	2.5	2487	2.6	126.93		165
	19	2.8	2195	3.0	112.23	SK 3282 - RV 20 - 56 C	1.6
	22	3.1	1974	3.6	100.88		
	25	3.5	1735	3.8	88.74		1:7
	27	3.9	1558	4.7	79.76		
	31	4.4	1381	3.6	70.56		174
	34	4.9	1257	5.8	64.12		
	39	5.6	1089	5.2	55.79		
	41	5.9	1035	7.2	52.97		
	46	6.5	938	5.2	48.04		
	49	7.0	877	7.4	44.85		
	52	7.4	822	6.5	42.02		
	57	8.1	756	7.4	38.62		
	69	9.8	625	7.2	31.93		
	76	10.9	561	7.2	28.70		
	85	12.1	506	7.4	25.88		
	92	13.2	464	7.2	23.71		
	97	13.9	439	7.9	22.45		
	102	14.6	418	7.4	21.38		
	108	15.0	395	7.9	20.18		
	131	19	326	8.0	16.67		
	11.8	1.7	3620	1.1	185.11	SK 2382 - RV 10 - 56C	1.6
	14.6	2.1	2929	1.3	149.96		1:7
	17	2.4	2575	1.5	131.86		130
	19	2.7	2274	1.7	116.35		
	22	3.1	1974	1.6	100.98	SK 2282 - RV 20 - 56 C	1.6
	27	3.8	1611	2.4	82.42		
	31	4.5	1363	2.9	69.67		1:7
	34	4.9	1248	3.1	63.83		
	41	5.8	1053	4.1	53.96		141
	42	6.0	1009	3.8	51.71		
	50	7.1	855	5.0	43.71		
	60	8.5	715	5.8	36.54		



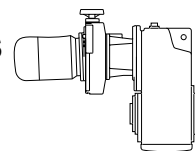
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	70	10.0	611	6.4	31.23	SK 2282 - RV 20 - 56 C	1.6
	74	10.5	580	6.2	29.65		
	82	11.6	525	5.9	26.83		1:7
	88	12.5	489	6.7	24.97		
	100	14.2	428	7.0	21.90		141
	118	17	362	7.0	18.51		
	132	19	323	7.2	16.53		
	165	24	258	7.0	13.23		
	185	26	231	7.2	11.81		
	30	4.3	1407	1.4	72.17	SK 1282 - RV 10 - 56C	1.6
	37	5.3	1151	2.1	58.89		
	44	6.3	965	2.4	49.25		1:7
	53	7.6	804	2.4	41.07		
	68	9.7	627	3.2	32.08		90
	77	11.0	554	3.6	28.33		
	87	12.4	493	4.0	25.22		
	106	15.0	403	4.9	20.57		
	127	18	336	5.9	17.21		
	155	22	276	6.7	14.11		
1.00	186	27	230	6.9	11.76	SK - RV 10 F - 56C	1.6
	212	30	203	7.2	10.34		1:7
	238	34	180	7.4	9.18		60
	266	38	161	6.9	8.24		
	267	38	160	8.0	8.21		
	302	43	142	7.2	7.24		
	340	49	126	7.4	6.43		
	400	57	107	7.7	5.47		
	457	65	93.8	8.0	4.79		
	2188	312	19.6	No Gearbox		SK 5382 - RV 20 - 56C	1.6
							1:7
							60
	3.1	0.4	18275	1.2	700.03		2.1
	3.8	0.5	14886	1.6	570.18		
	4.2	0.60	13709	1.6	525.20		1:7
	5.1	0.7	11169	2.4	427.79		
	6.0	0.9	9443	2.5	361.69		329
	6.6	0.9	8655	2.6	331.48		
	8.1	1.2	7045	3.3	269.99		
1.00	8.8	1.3	6496	3.5	248.70	SK 4382 - RV 20 - 56C	2.1
	10.8	1.5	5292	4.8	202.57		
	12.8	1.8	4469	4.8	171.27		1:7
	14.2	2.0	4018	5.4	153.92		
	16	2.2	3629	5.6	138.82		240
	19	2.7	3062	5.6	117.37		
	24	3.4	2398	5.4	91.71		
	26	3.8	2159	5.6	82.72		
	4.9	0.7	11620	1.3	445.23	SK 4382 - RV 20 - 56C	2.1
	5.3	0.8	10770	1.3	412.38		
	5.6	0.8	10204	1.4	390.76		1:7
	6.3	0.9	9000	1.6	344.84		
	6.7	1.0	8531	1.8	326.81		240
	7.2	1.0	7903	1.8	302.65		
	8.0	1.1	7115	2.0	272.54		
	8.6	1.2	6611	2.3	253.12		
	10.4	1.5	5514	2.5	211.09		

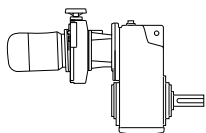
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	11.4	1.6	5000	2.9	191.57	SK 4382 - RV 20 - 56C	2.1
	13.7	1.9	4186	3.5	160.20		
	16	2.2	3673	3.9	140.60		1:7
	18	2.6	3089	4.7	118.38		
	21	3.0	2708	5.2	103.82		240
	25	3.6	2266	5.2	86.83		
	9.5	1.4	6027	1.2	230.83	SK 3382 - RV 20 - 56C	2.1
	11.5	1.6	4983	1.5	190.69		1:7
	13.6	1.9	4213	1.7	161.46		192
	17	2.5	3310	2.0	126.93		
	19	2.8	2929	2.2	112.23	SK 3282 - RV 20 - 56C	2.1
	22	3.1	2637	2.7	100.88		
	25	3.5	2319	2.8	88.74		1:7
	27	3.9	2080	3.5	79.76		
	31	4.4	1841	2.7	70.56		174
	34	4.9	1673	4.3	64.12		
	39	5.6	1460	3.9	55.79		
	41	5.9	1381	5.4	52.97		
	46	6.5	1257	3.9	48.04		
	49	7.0	1168	5.6	44.85		
	52	7.4	1097	4.8	42.02		
	57	8.1	1009	5.6	38.62		
	69	9.8	834	5.4	31.93		
	76	10.9	750	5.4	28.70		
	85	12.1	675	5.6	25.88		
	92	13.2	619	5.4	23.71		
	97	13.9	586	6.0	22.45		
	102	14.6	558	5.6	21.38		
	108	15.0	527	6.0	20.18		
17	2.4		3443	1.1	131.86	SK 2382 - RV 20 - 56C	2.1
	19	2.7	3036	1.3	116.35		1:7 157
22	3.1		2637	1.2	100.98	SK 2282 - RV 20 - 56C	2.1
	27	3.8	2151	1.8	82.42		
	31	4.5	1823	2.2	69.67		1:7
	34	4.9	1664	2.3	63.83		
	41	5.8	1407	3.0	53.96		141
	42	6.0	1354	2.8	51.71		
	50	7.1	1142	3.8	43.71		
	59	8.4	974	3.9	37.18		
	60	8.5	956	4.3	36.54		
	70	10.0	815	4.8	31.23		
	74	10.5	774	4.7	29.65		
	82	11.6	700	4.4	26.83		
	88	12.5	652	5.0	24.97		
	100	14.2	572	5.2	21.90		
	118	17	483	5.2	18.51		
	132	19	432	5.4	16.53		
	165	24	345	5.2	13.23		
	185	26	308	5.4	11.81		
30	4.3		1885	1.1	72.17	SK 1282 - RV 20 - 56C	2.1
	37	5.3	1540	1.6	58.89		
	44	6.3	1283	1.8	49.25		1:7
	53	7.6	1071	1.8	41.07		
	68	9.7	837	2.4	32.08		117
	77	11.0	740	2.7	28.33		



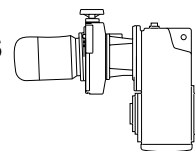
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	87	12.4	658	3.0	25.22	SK 1282 - RV 20 - 56C	2.1
	106	15.0	537	3.7	20.57		1:7
	127	18	450	4.4	17.21		117
	155	22	368	5.0	14.11		
	186	27	307	5.2	11.76		
	212	30	270	5.4	10.34		
	238	34	240	5.6	9.18		
	266	38	215	5.2	8.24		
	267	38	214	6.0	8.21		
	302	43	189	5.4	7.24		
	340	49	168	5.6	6.43		
	400	57	142	5.8	5.47		
	457	65	125	6.0	4.79		
	2188	312	26.1	No Gearbox			2.1 1:7 86
1.50	4.2	0.6	20541	1.1	525.20	SK 5382 - RV 20 - 143TC	3.0
	5.1	0.7	16735	1.6	427.79		1:7
	6.0	0.9	14151	1.6	361.69		333
	6.6	0.9	12965	1.7	331.48		
	8.1	1.2	10558	2.2	269.99		
	8.8	1.3	9726	2.3	248.70		
	10.8	1.5	7921	3.2	202.57		
	12.8	1.8	6699	3.2	171.27		
	14.2	2.0	6018	3.6	153.92		
	16	2.2	5434	3.7	138.82		
	19	2.7	4593	3.7	117.37		
	24	3.4	3584	3.6	91.71		
	26	3.8	3239	3.7	82.72		
	6.3	0.9	13487	1.1	344.84	SK 4382 - RV 20 - 143TC	3.0
	6.7	1.0	12788	1.2	326.81		1:7
	7.2	1.0	11841	1.2	302.65		245
	8.0	1.1	10664	1.3	272.54		
	8.6	1.2	9903	1.6	253.12		
	10.4	1.5	8257	1.7	211.09		
	11.4	1.6	7496	1.9	191.57		
	13.7	1.9	6266	2.3	160.20		
	16	2.2	5496	2.6	140.60		
	18	2.6	4629	3.1	118.38		
	21	3.0	4062	3.5	103.82		
	25	3.6	3398	3.5	86.83		
	13.6	1.9	6319	1.1	161.46	SK 3382 - RV 20 - 143TC	3.0
	17	2.5	4965	1.3	126.93		1:7 196
	19	2.8	4390	1.5	112.23	SK 3282 - RV 20 - 143TC	3.0
	22	3.1	3947	1.8	100.88		1:7
	25	3.5	3469	1.9	88.74		179
	27	3.9	3124	2.3	79.76		
	31	4.4	2761	1.8	70.56		
	34	4.9	2505	2.9	64.12		
	39	5.6	2186	2.6	55.79		
	41	5.9	2071	3.6	52.97		
	46	6.5	1876	2.6	48.04		
	49	7.0	1752	3.7	44.85		
	52	7.4	1646	3.2	42.02		

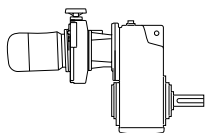
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.50	57	8.1	1513	3.7	38.62	SK 3282 - RV 20 - 143TC	3.0
	69	9.8	1248	3.6	31.93		
	76	10.9	1124	3.6	28.70		1:7
	85	12.1	1009	3.7	25.88		
	92	13.2	929	3.6	23.71		179
	97	13.9	878	4.0	22.45		
	102	14.6	836	3.7	21.38		
	108	15.0	789	4.0	20.18		
	27	3.8	3221	1.2	82.42	SK 2282 - RV 20 - 143TC	3.0
	31	4.5	2726	1.4	69.67		
	34	4.9	2496	1.5	63.83		1:7
	41	5.8	2115	2.0	53.96		
	42	6.0	2027	1.9	51.71		146
	50	7.1	1708	2.5	43.71		
	60	8.5	1434	2.9	36.54		
	70	10.0	1221	3.2	31.23		
	74	10.5	1159	3.1	29.65		
	82	11.6	1053	2.9	26.83		
	88	12.5	974	3.4	24.97		
	100	14.2	857	3.5	21.90		
	118	17	724	3.5	18.51		
	132	19	647	3.6	16.53		
	165	24	518	3.5	13.23		
	185	26	462	3.6	11.81		
	44	6.3	1929	1.2	49.25	SK 1282 - RV 20 - 143TC	3.0
	53	7.6	1611	1.2	41.07		
	68	9.7	1257	1.6	32.08		1:7
	77	11.0	1106	1.8	28.33		
	87	12.4	982	2.0	25.22		121
	106	15.0	804	2.5	20.57		
	127	18	673	2.9	17.21		
	155	22	552	3.4	14.11		
	186	27	460	3.5	11.76		
	212	30	404	3.6	10.34		
	238	34	359	3.7	9.18		
	266	38	322	3.5	8.24		
	267	38	321	4.0	8.21		
	302	43	283	3.6	7.24		
	340	49	251	3.7	6.43		
	400	57	214	3.9	5.47		
	457	65	188	4.0	4.79		
2188	312		39.1	No Gearbox		SK - RV 20 F - 143TC	3.0 1:7 90
2.00	8.2	1.2	13974	3.5	267.59	SK 6382 - RV 30 - 145TC	3.4
	10.3	1.5	11089	3.6	212.33		
	12.8	1.8	8947	4.7	171.34		1:7
	13.7	2.0	8346	5.8	159.88		
	17	2.5	6629	6.0	126.87		509
	19	2.7	5991	7.3	114.79		
	24	3.4	4841	7.3	92.63		
	29	4.2	3929	8.0	75.18		
	30	4.2	3841	7.3	73.50		
	37	5.2	3115	8.0	59.66		



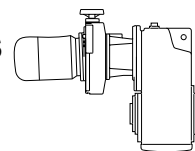
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	5.1	0.7	22337	1.2	427.79	SK 5382 - RV 30 - 145TC	3.4
	6.0	0.9	18886	1.2	361.69		
	6.6	0.9	17311	1.3	331.48		1:7
	8.1	1.2	14098	1.6	269.99		
	8.8	1.3	12983	1.7	248.70		373
	10.8	1.5	10576	2.5	202.57		
	12.8	1.8	8939	2.6	171.27		
	14.2	2.0	8036	3.3	153.92		
	16	2.2	7248	3.7	138.82		
	19	2.7	6124	3.8	117.37		
	24	3.4	4797	4.0	91.81	SK 5282 - RV 30 - 145TC	3.4
	32	4.5	3584	6.3	68.63		1:7
	39	5.6	2921	7.4	55.90		331
	8.6	1.2	13213	1.2	253.12	SK 4382 - RV 30 - 145TC	3.4
	10.4	1.5	11018	1.3	211.09		
	11.4	1.6	10001	1.4	191.57		1:7
	13.7	1.9	8363	1.8	160.20		
	16	2.2	7346	2.0	140.60		284
	18	2.6	6177	2.3	118.38		
	21	3.0	5425	2.7	103.82		
	25	3.6	4531	3.4	86.83		
	29	4.1	3938	2.8	75.39	SK 4282 - RV 30 - 145TC	3.4
	36	5.1	3213	4.1	61.60		
	42	6.0	2726	5.3	52.20		1:7
	50	7.1	2283	5.9	43.65		
	60	8.6	1903	5.9	36.40		251
	68	9.6	1690	6.5	32.34		
	83	11.9	1372	8.0	26.25		
	98	13.9	1168	7.3	22.39		
	102	14.5	1124	8.0	21.45		
	120	17	947	8.0	18.18		
	144	21	794	8.0	15.20		
	173	25	662	8.0	12.68		
	202	29	566	8.5	10.85		
	237	34	482	8.9	9.23		
	263	37	435	8.0	8.33		
	307	44	373	8.5	7.13		
	361	51	317	8.9	6.06		
	17	2.5	6487	1.0	126.93	SK 3382 - RV 30 - 145TC	3.4
	21	3.0	5434	1.1	104.05		1:7 236
	25	3.5	4637	1.4	88.74	SK 3282 - RV 30 - 145TC	3.4
	27	3.9	4168	1.7	79.76		
	34	4.9	3345	2.2	64.12		1:7
	39	5.6	2912	2.0	55.79		
	41	5.9	2770	2.7	52.97		218
	46	6.5	2505	2.0	48.04		
	49	7.0	2345	2.8	44.85		
	52	7.4	2195	3.0	42.02		
	57	8.1	2018	2.8	38.62		
	69	9.8	1664	3.9	31.93		
	76	10.9	1496	4.2	28.70		
	85	12.1	1354	4.4	25.88		
	92	13.2	1239	4.2	23.71		
	97	13.9	1168	4.8	22.45		

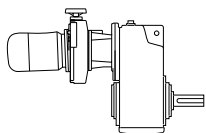
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	102	14.6	1115	4.4	21.38	SK 3282 - RV 30 - 145TC	3.4
	108	15.0	1053	4.8	20.18		
	131	19	871	4.8	16.67		1:7
	155	22	736	4.8	14.11		
	192	27	594	5.0	11.38		218
	223	32	512	5.0	9.80		
	263	38	434	4.8	8.31		
	327	47	350	5.0	6.70		
	385	55	296	5.2	5.68		
	34	4.9	3336	1.1	63.83	SK 2282 - RV 30 - 145TC	3.4
	41	5.8	2814	1.5	53.96		
	42	6.0	2699	1.4	51.71		1:7
	50	7.1	2283	1.9	43.71		
	60	8.5	1912	2.2	36.54		185
	70	10.0	1628	2.4	31.23		
	74	10.5	1549	2.5	29.65		
	82	11.6	1398	2.2	26.83		
	88	12.5	1301	2.9	24.97		
	100	14.2	1142	3.3	21.90		
	118	17	965	4.0	18.51		
	132	19	863	4.2	16.53		
	165	24	691	4.0	13.23		
	185	26	617	4.2	11.81		
	216	31	530	4.4	10.15		
	242	35	472	4.6	9.03		
	261	37	437	4.0	8.37		
	293	42	390	4.2	7.48		
	340	49	335	4.4	6.43		
	383	55	298	4.6	5.72		
	485	69	235	4.8	4.51		
	87	12.4	1319	1.5	25.22	SK 1282 - RV 30 - 145TC	3.4
	106	15.0	1071	1.9	20.57		
	127	18	903	2.2	17.21		1:7
	155	22	736	2.5	14.11		
	186	27	614	2.9	11.76		161
	212	30	540	3.2	10.34		
	238	34	480	3.5	9.18		
	266	38	430	3.9	8.24		
	267	38	428	3.0	8.21		
	302	43	378	4.1	7.24		
	340	49	335	4.3	6.43		
	400	57	286	4.5	5.47		
	457	65	250	4.3	4.79		
	2188	312	52.2	No Gearbox		SK - RV 30 F - 145TC	3.4 1:7 130
3.00	8.2	1.2	20930	2.3	267.59	SK 6382 - RV 30 - 145TC	4.8
	10.3	1.5	16611	2.4	212.33		
	12.8	1.8	13408	3.1	171.34		1:7
	13.7	2.0	12505	3.9	159.88		
	17	2.5	9930	4.0	126.87		509
	19	2.7	8983	4.9	114.79		
	24	3.4	7248	4.9	92.63		
	29	4.2	5885	5.3	75.18		
	37	5.2	4664	5.3	59.66		



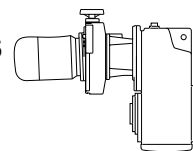
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
3.00	43	6.1	3991	5.7	51.07	SK 6382 - RV 30 - 145TC	4.8
	52	7.3	3319	5.3	42.46		
	60	8.6	2841	5.7	36.34		1:7
	71	10.1	2416	5.9	30.91		
	76	10.9	2248	5.7	28.72		509
	90	12.8	1912	5.9	24.42		
	14.2	2.0	12045	2.2	153.92	SK 5382 - RV 30 - 145TC	4.8
	16	2.2	10859	2.5	138.82		1:7
	19	2.7	9186	2.5	117.37		373
	24	3.4	7186	2.6	91.81	SK 5282 - RV 30 - 145TC	4.8
	32	4.5	5372	4.2	68.63		
	39	5.6	4372	4.9	55.90		1:7
	46	6.6	3699	4.9	47.27		
	54	7.6	3195	5.2	40.80		331
	65	9.3	2620	5.6	33.43		
	72	10.2	2390	5.2	30.50		
	88	12.5	1956	5.6	25.00		
	107	15.0	1593	5.6	20.36		
	116	17	1478	6.2	18.88		
	124	18	1372	6.0	17.59		
	142	20	1204	6.2	15.38		
	168	24	1018	6.2	13.00		
	204	29	838	6.8	10.71		
	231	33	740	6.7	9.46		
	251	36	681	6.2	8.70		
	305	44	561	6.8	7.17		
	346	49	496	6.7	6.33		
	21	3.0	8124	1.8	103.82	SK 4382 - RV 30 - 145TC	4.8
	25	3.6	6797	2.3	86.83		1:7 284
	29	4.1	5894	1.9	75.39	SK 4282 - RV 30 - 145TC	4.8
	36	5.1	4823	2.7	61.60		
	42	6.0	4080	3.5	52.20		1:7
	49	6.9	3522	3.1	45.05		
	50	7.1	3416	4.0	43.65		251
	54	7.7	3186	3.4	40.74		
	59	8.5	2876	4.1	36.81		
	68	9.6	2531	4.3	32.34		
	83	11.9	2053	5.3	26.25		
	98	13.9	1752	4.9	22.39		
	102	14.5	1682	5.3	21.45		
	120	17	1425	5.3	18.18		
	144	21	1186	5.3	15.20		
	173	25	991	5.3	12.68		
	202	29	849	5.7	10.85		
	237	34	722	5.9	9.23		
	263	37	651	5.3	8.33		
	307	44	558	5.7	7.13		
	361	51	474	5.9	6.06		
	34	4.9	5018	1.4	64.12	SK 3282 - RV 30 - 145TC	4.8
	41	5.9	4142	1.8	52.97		
	49	7.0	3505	1.9	44.85		1:7
	57	8.1	3018	1.9	38.62		
	69	9.8	2496	2.6	31.93		218
	76	10.9	2248	2.8	28.70		

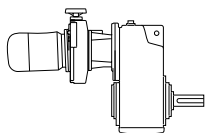
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
3.00	85	12.1	2027	2.9	25.88	SK 3282 - RV 30 - 145TC	4.8
	92	13.2	1859	2.8	23.71		
	97	13.9	1752	3.2	22.45		1:7
	102	14.6	1673	2.9	21.38		
	108	15.0	1575	3.2	20.18		218
	131	19	1301	3.2	16.67		
	155	22	1106	3.2	14.11		
	192	27	894	3.3	11.38		
	223	32	766	3.4	9.80		
	263	38	650	3.2	8.31		
	327	47	524	3.4	6.70		
	385	55	444	3.5	5.68		
	50	7.1	3416	1.3	43.71	SK 2282 - RV 30 - 145TC	4.8
	60	8.5	2859	1.4	36.54		
	70	10.0	2443	1.6	31.23		1:7
	82	11.6	2097	1.5	26.83		
	91	13.0	1876	1.6	23.96		185
	100	14.2	1717	2.2	21.90		
	118	17	1451	2.7	18.51		
	132	19	1292	2.8	16.53		
	165	24	1035	2.7	13.23		
	185	26	920	2.8	11.81		
	216	31	794	2.9	10.15		
	242	35	706	3.0	9.03		
	261	37	655	2.7	8.37		
	293	42	585	2.8	7.48		
	340	49	503	2.9	6.43		
	383	55	448	3.0	5.72		
	485	69	353	3.2	4.51		
2188	312		78.2	No Gearbox		SK - RV 30 F - 145TC	4.8 1:7 130
5.00	8.2	1.6	34816	1.4	267.59	SK 6382 - RV 40 - 184TC	7.6
	10.3	2.1	27621	1.4	212.33		
	12.8	2.6	22293	1.9	171.34		1:5
	13.7	2.7	20798	2.3	159.88		
	17	3.5	16505	2.4	126.87		587
	19	3.8	14930	2.9	114.79		
	24	4.7	12054	2.9	92.63		
	29	5.8	9779	3.2	75.18		
	37	7.3	7761	3.2	59.66		
	43	8.6	6646	3.4	51.07		
	52	10.3	5522	3.2	42.46		
	60	12.1	4726	3.4	36.34		
	71	14.2	4018	3.6	30.91		
	76	15.0	3735	3.4	28.72		
	90	18.0	3177	3.6	24.42		
	14.2	2.8	20028	1.3	153.92	SK 5382 - RV 40 - 184TC	7.6
	16	3.2	18063	1.5	138.82		1:5
	19	3.7	15266	1.5	117.37		450
	24	4.8	11948	1.6	91.81	SK 5282 - RV 40 - 184TC	7.6
	32	6.4	8930	2.5	68.63		1:5
	39	7.8	7275	3.0	55.90		408
	42	8.5	6699	3.4	51.49		



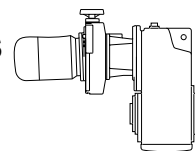
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
5.00	46	9.3	6151	2.9	47.27	SK 5282 - RV 40 - 184TC	7.6
	52	10.4	5460	4.6	41.94		
	62	12.4	4611	4.6	35.46		1:5
	72	14.4	3965	3.1	30.50		
	88	18	3257	3.4	25.00		408
	107	22	2646	3.4	20.36		
	116	23	2460	3.7	18.88		
	124	25	2292	3.6	17.59		
	142	28	2000	3.7	15.38		
	168	34	1690	3.7	13.00		
	204	41	1389	4.1	10.71		
	231	46	1230	4.0	9.46		
	251	50	1133	3.7	8.70		
	305	61	929	4.1	7.17		
	346	69	824	4.0	6.33		
	21	4.2	13505	1.1	103.82	SK 4382 - RV 40 - 184TC	7.6
	25	5.0	11293	1.4	86.83		1:5 362
	29	5.8	9806	1.1	75.39	SK 4282 - RV 40 - 184TC	7.6
	36	7.1	8018	1.6	61.60		
	42	8.4	6788	2.1	52.20		1:5
	49	9.7	5859	1.9	45.05		
	50	10.0	5682	2.4	43.65		329
	54	10.8	5301	2.1	40.74		
	57	11.4	4983	2.9	38.31		
	59	11.8	4788	2.5	36.81		
	68	13.7	4168	3.7	32.04		
	82	16	3478	3.7	26.72		
	98	20	2912	2.9	22.39		
	102	20	2788	3.2	21.45		
	120	24	2363	3.2	18.18		
	144	29	1974	3.2	15.20		
	173	35	1646	3.2	12.68		
	202	40	1407	3.4	10.85		
	237	47	1204	3.6	9.23		
	263	53	1080	3.2	8.33		
	307	61	929	3.4	7.13		
	361	72	789	3.6	6.06		
	41	8.3	6894	1.1	52.97	SK 3282 - RV 40 - 184TC	7.6
	49	9.8	5832	1.1	44.85		
	57	11.3	5027	1.1	38.62		1:5
	69	13.7	4151	1.6	31.93		
	76	15.0	3735	1.9	28.70		295
	85	17	3363	2.2	25.88		
	92	18	3089	2.2	23.71		
	97	20	2921	2.2	22.45		
	102	20	2779	2.3	21.38		
	108	22	2628	2.6	20.18		
	131	26	2168	2.6	16.67		
	155	31	1832	2.6	14.11		
	192	38	1478	2.9	11.38		
	223	45	1274	2.9	9.80		
	263	53	1080	2.6	8.31		
	327	65	872	2.9	6.70		
	385	77	739	3.1	5.68		

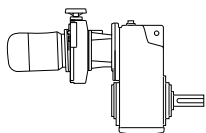
VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{Bl}	i_{ges}		I_{regel} [LBS]
5.00	165	33	1717	2.1	13.23	SK 2282 - RV 40 - 184TC	7.6
	185	37	1540	2.2	11.81		
	216	43	1319	2.4	10.15		1:5
	242	49	1177	2.5	9.03		
	261	52	1089	2.1	8.37		262
	293	59	974	2.2	7.48		
	340	68	836	2.4	6.43		
	383	77	744	2.5	5.72		
	485	97	587	2.8	4.51		
	2188	438	130	No Gearbox		SK - RV 40 F - 184TC	7.6 1:5 207
7.50	12.8	2.6	33515	1.5	171.34	SK 6382 - RV 40 - 213 TC	11
	13.7	2.7	31267	1.6	159.88		
	17	3.5	24815	1.6	126.87		1:5
	19	3.8	22452	1.9	114.79		
	24	4.7	18116	1.9	92.63		626
	29	5.8	14700	2.1	75.18		
	37	7.3	11664	2.1	59.66		
	43	8.6	9992	2.3	51.07		
	52	10.3	8301	2.1	42.46		
	60	12.1	7107	2.3	36.34		
	71	14.2	6045	2.4	30.91	SK 5282 - RV 40 - 213 TC	
	76	15.0	5620	2.3	28.72		
	90	18	4779	2.4	24.42		
	24	4.8	17957	1.1	91.81		11
	32	6.4	13425	1.7	68.63		
	39	7.8	10930	2.0	55.90		1:5
	42	8.5	10071	2.3	51.49		
	46	9.3	9248	2.0	47.27		448
	52	10.4	8204	3.1	41.94		
	62	12.4	6938	3.1	35.46		
	72	14.4	5965	2.1	30.50	SK 4282 - RV 40 - 213 TC	
	88	18	4885	2.3	25.00		
	107	22	3983	2.3	20.36		
	116	23	3690	2.5	18.88		
	124	25	3443	2.4	17.59		
	142	28	3009	2.5	15.38		
	168	34	2540	2.5	13.00		
	204	41	2097	2.7	10.71		
	231	46	1850	2.7	9.46		
	251	50	1699	2.5	8.70		
	305	61	1398	2.7	7.17		
	346	69	1239	2.7	6.33		
	36	7.1	12045	1.1	61.60		11
	42	8.4	10213	1.4	52.20		
	49	9.7	8815	1.2	45.05		1:5
	50	10.0	8540	1.6	43.65		
	54	10.8	7965	1.4	40.74		368
	57	11.4	7496	1.9	38.31		
	68	13.7	6266	2.5	32.04		
	82	16	5230	2.5	26.72		
	98	20	4381	1.9	22.39		
	102	20	4195	2.1	21.45		
	120	24	3558	2.1	18.18		
	144	29	2974	2.1	15.20		
	173	35	2478	2.1	12.68		



VARIABLE SPEED HELICAL SHAFT MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

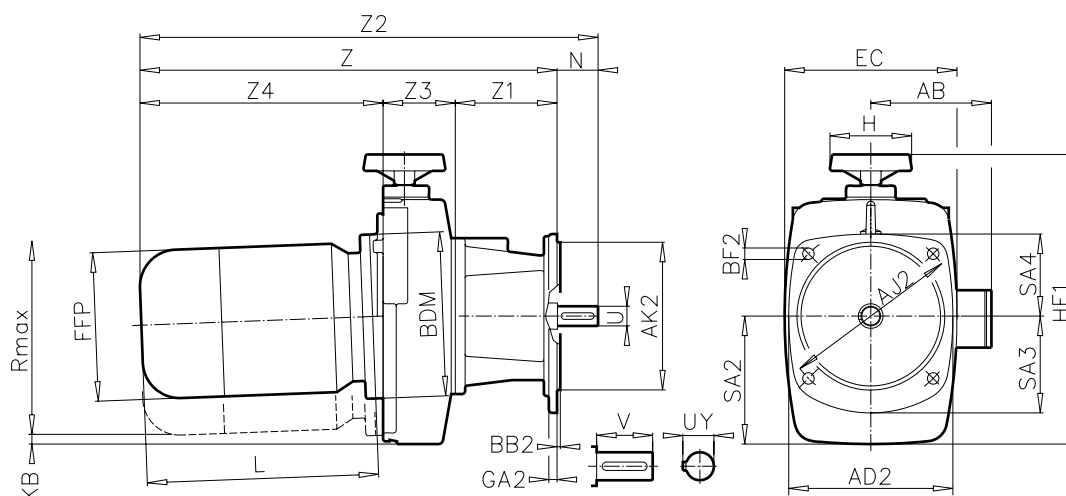
THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
7.50	202	40	2124	2.3	10.85	SK 4282 - RV 40 - 213 TC	11
	237	47	1805	2.4	9.23		1:5
	263	53	1628	2.1	8.33		368
	307	61	1398	2.3	7.13		
	361	72	1186	2.4	6.06		
	76	15	5611	1.3	28.70	SK 3282 - RV 40 - 213 TC	11
	85	17	5062	1.4	25.88		
	92	18	4637	1.4	23.71		1:5
	97	20	4390	1.5	22.45		
	102	20	4177	1.5	21.38		335
	108	22	3947	1.7	20.18		
	131	26	3257	1.7	16.67		
	155	31	2761	1.7	14.11		
	192	38	2221	1.9	11.38		
	223	45	1920	1.9	9.80		
	263	53	1628	1.7	8.31		
	327	65	1310	1.9	6.70		
	385	77	1115	2.1	5.68		
	118	24	3620	1.2	18.51	SK 2282 - RV 40 - 213 TC	11
	132	26	3230	1.3	16.53		
	165	33	2584	1.4	13.23		1:5
	185	37	2310	1.5	11.81		
	216	43	1982	1.6	10.15		302
	242	49	1770	1.7	9.03		
	261	52	1637	1.4	8.37		
	293	59	1460	1.5	7.48		
	340	68	1257	1.6	6.43		
	383	77	1115	1.7	5.72		
	485	97	882	1.9	4.51		
2188	438		196	No Gearbox		SK - RV 40 F - 213TC	11 1:5 247

VARIABLE SPEED MOTORS



FRICITION DRIVE UNITS



Type	Fitting flange	Outline dimensions												Motor				Shaft dimensions (mm)		
		SA2	N	Z2	*KB	Z1	Z	Z3	Z4	HF1	H	EC	Rmax	AB	BDM	FP	L	U	UY	V
SK RV10 - 56 C	160 S	3.62	1.22	17.17	-1.38	3.23	15.95	2.64	10.08	9.21	3.15	4.72	1.38	5.30	4.13	7.20	9.30	14	16.0	30
SK RV20 - 56 C - 143 TC - 56 C - 143 TC	160 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	9.30	19	21.5	40
				20.18	-0.96		18.77		11.17					5.30		7.20	10.30			
	250 S		1.65	19.19	-0.89	4.37	17.53		10.17					5.30		7.20	9.30			
				20.18	-0.96		18.53		11.17					5.30		7.20	10.30			
SK RV30 - 145 TC - 145 TC - 145 TC	160 S	6.14	1.81	22.45	0	5.12	20.64	3.47	12.05	13.90	3.94	8.27	2.80	5.30	7.87	7.20	11.30	24	27.0	50
	250 S		2.05	22.45	0	4.88	20.40		12.05					5.30		7.20	11.30			
	300 S		1.97	22.45	0	4.88	20.40		12.05					5.30		7.20	11.30			
SK RV40 - 184 TC - 213 TC	250 S and 300 S	8.03	2.62	28.07	0	6.14	25.45	4.21	15.10	17.56	4.92	10.63	3.66	5.90	9.84	8.50	14.00	28	31.0	60
				29.67	-0.55		27.05		16.70					7.40		10.30	15.60			

*KB= negative values are beyond SA2

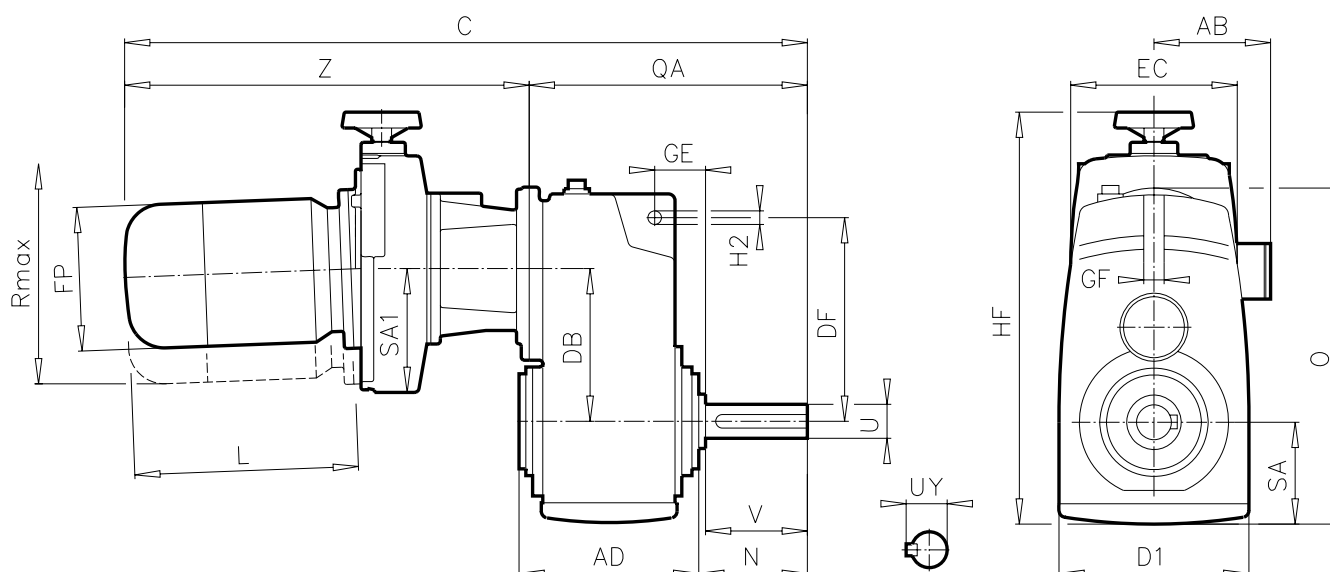
Fitting flange	Mounting dimensions							
	AD2	SA3	SA4	AK2	GA2	AJ2	BB2	BF2
160 S	5.12	3.15	2.48	4.331	0.47	5.12	0.14	0.35
250 S	7.87	4.65	3.94	7.087	0.63	8.47	0.16	0.55
300 S	9.84	5.98	4.92	9.055	0.79	10.43	0.16	0.55

Technical design may be subject to change

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



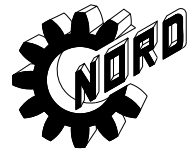
WITH FRICTION DRIVE, TRIPLE REDUCTION



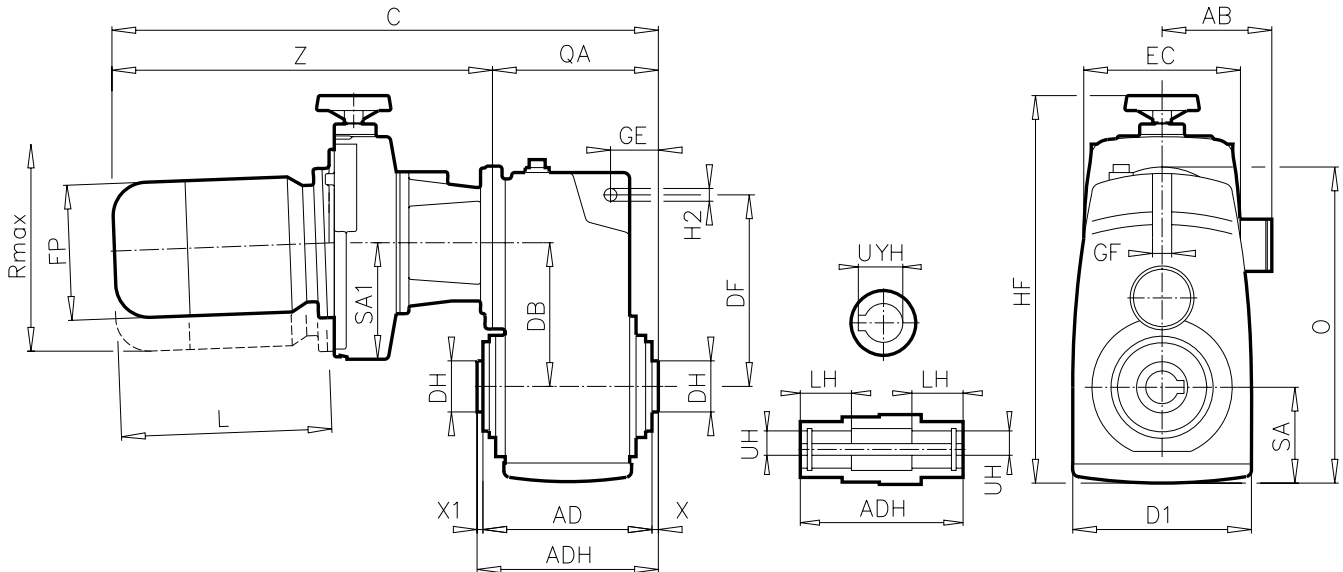
Type	Gear reducer dimensions				Outline dimensions							Motor dimensions			Shaft dimensions		
	AD	DF	GF	O	C	EC	HF	Rmax	SA1	Z	AB	FP	L	U	UY	V	
	DB	D1 GE	H2 N	QA SA													
Key																	
SK 1282 V - RV 10 - 56 C - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	4.53	6.50	0.55	10.98	23.15	4.72	13.42	1.38	3.62	15.95	5.30	7.20	9.30	1.250	1.36	2.75	
		6.22	0.43	7.20	24.97	6.10	14.13	1.93	4.57	17.77	5.30	7.20	9.30				
	4.80	1.34	2.90	3.03	25.97					18.77	5.30	7.20	10.30				
					27.84	8.27	15.59	2.80	6.14	20.64	5.30	7.20	11.30	1/4 x 1/4 x 2-1/4			
SK 2282 V - RV 20 - 56 C - 143 TC - RV 30 - 145 TC - RV 40 - 184 TC - 213 TC	4.96	8.31	0.63	13.27	25.44	6.10	15.63	1.93	4.57	17.53	5.30	7.20	9.30	1.375	1.51	2.75	
		7.48	0.55	7.91	26.44					18.53	5.30	7.20	10.30				
	5.79	1.50	2.95	3.54	28.31	8.27	17.09	2.80	6.14	20.40	5.30	7.20	11.30				
					33.36	10.63	18.86	3.66	8.03	25.45	5.90	8.50	14.00				
					34.96					27.05	7.40	10.30	15.60	5/16 x 5/16 x 2-1/8			
SK 3282 V - RV 20 - 56 C - 143 TC - RV 30 - 145 TC - RV 40 - 184 TC - 213 TC	6.38	9.84	0.71	15.24	26.97	6.10	17.52	1.93	4.57	17.53	5.30	7.20	9.30	1.875	2.09	3.50	
		8.90	0.55	9.44	27.97					18.53	5.30	7.20	10.30				
	7.01	1.54	3.74	4.21	29.84	8.27	18.98	2.80	6.14	20.40	5.30	7.20	11.30				
					34.89	10.63	20.75	3.66	8.03	25.45	5.90	8.50	14.00				
					36.49					27.05	7.40	10.30	15.60	1/2 x 1/2 x 2-3/4			
SK 4282 V - RV 30 - 145 TC - RV 40 - 184 TC - 213 TC	7.13	11.06	0.87	17.87	31.84	8.27	20.71	2.80	6.14	20.40	5.30	7.20	11.30	2.250	2.47	4.00	
		10.04	0.87	11.44	36.89	10.63	22.48	3.66	8.03	25.45	5.90	8.50	14.00				
	8.11	1.89	4.28	4.84	38.49					27.05	7.40	10.30	15.60	1/2 x 1/2 x 3-1/4			
SK 5282 V - RV 30 - 145 TC - RV 40 - 184 TC - 213 TC	8.47	13.42	1.10	20.75	33.39	8.27	23.39	2.80	6.14	20.40	5.30	7.20	11.30	2.500	2.77	5.00	
		12.05	0.87	12.99	38.44	10.63	25.16	3.66	8.03	25.45	5.90	8.50	14.00				
	9.88	2.09	5.30	5.75	40.04					27.05	7.40	10.30	15.60	5/8 x 5/8 x 4			
SK 6382 V - RV 30 - 145 TC - RV 40 - 184 TC - 213 TC	10.75	14.06	1.38	22.79	36.18	8.27	25.59	2.80	6.14	20.40	5.30	7.20	11.30	3.000	3.33	5.50	
		13.78	1.02	15.78	41.23	10.63	27.36	3.66	8.03	25.45	5.90	8.50	14.00				
	11.06	2.78	5.83	6.77	42.83					27.05	7.40	10.30	15.60	3/4x 3/4 x 4-1/2			

Technical design may be subject to change.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



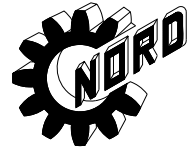
WITH FRICTION DRIVE, TRIPLE REDUCTION



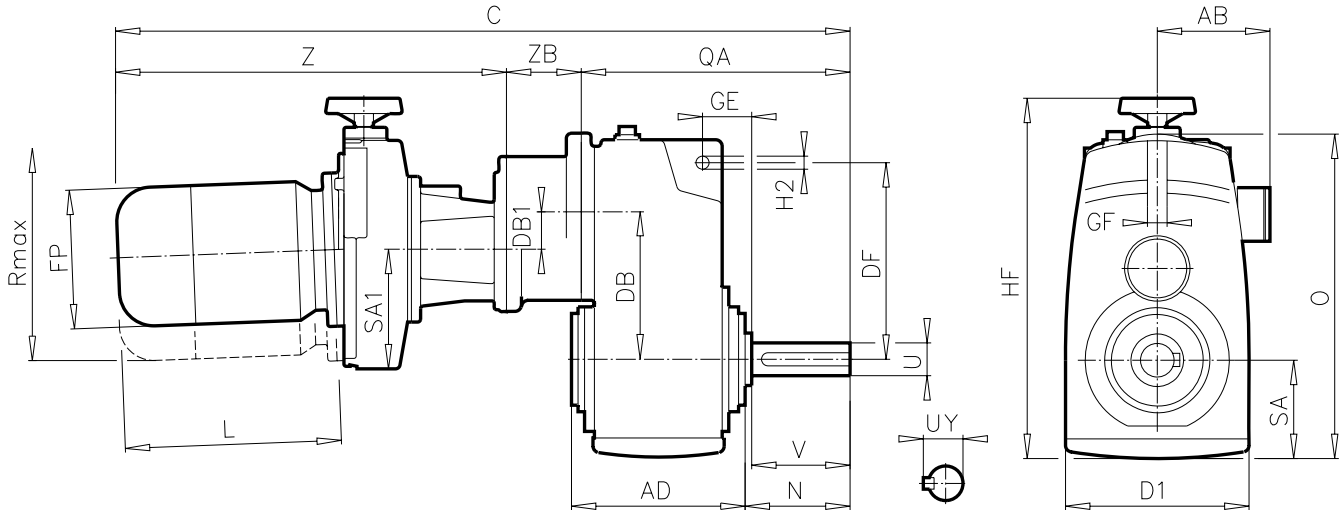
Type	Gear reducer dimensions				Outline dimensions						Motor dimensions			Shaft dimensions			
	AD	DB DF D1	GE GF H2	O QA SA	C	EC	HF	Rmax	SA1	Z	AB	FP	L	ADH DH	LH UH UYH Key	X X1	
SK 1282 A - RV 10 - 56 C	4.53	4.80	1.34	10.98	20.40	4.72	13.42	1.38	3.62	15.95	5.30	7.20	9.30	4.80	1.57	0.12	
		6.50	0.55	4.45	22.22	6.10	14.13	1.93	4.57	17.77	5.30	7.20	9.30	1.77	1.188	0.16	
		6.22	0.43	3.03	23.22					18.77	5.30	7.20	10.30		1.31		
					25.09	8.27	15.59	2.80	6.14	20.64	5.30	7.20	11.30		1/4 x 1/4 x 3-1/4		
SK 2282 A - RV 20 - 56 C	4.96	5.79	1.50	13.27	22.69	6.10	15.63	1.93	4.57	17.53	5.30	7.20	9.30	5.47	1.97	0.31	
		8.31	0.63	5.16	23.69					18.53	5.30	7.20	10.30	1.97	1.438	0.20	
		7.48	0.55	3.54	25.56	8.27	17.09	2.80	6.14	20.40	5.30	7.20	11.30		1.61		
					30.61	10.63	18.86	3.66	8.03	25.45	5.90	8.50	14.00				
SK 3282 A - RV 20 - 56 C	6.38	7.01	1.54	15.24	23.47	6.10	17.52	1.93	4.57	17.53	5.30	7.20	9.30	6.85	2.28	0.24	
		9.84	0.71	5.94	24.47					18.53	5.30	7.20	10.30	2.17	1.625	0.24	
		8.90	0.55	4.21	26.34	8.27	18.98	2.80	6.14	20.40	5.30	7.20	11.30		1.73		
					31.39	10.63	20.75	3.66	8.03	25.45	5.90	8.50	14.00				
SK 4282 A - RV 30 - 145 TC	7.13	8.11	1.89	17.87	27.84	8.27	20.71	2.80	6.14	20.40	5.30	7.20	11.30	7.68	2.56	0.28	
		11.06	0.87	7.44	32.89	10.63	22.48	3.66	8.03	25.45	5.90	8.50	14.00	2.76	2.062	0.28	
		10.04	0.87	4.84	34.49					27.05	7.40	10.30	15.60		2.23		
															1/2 x 3/8 x 5-1/4		
SK 5282 A - RV 30 - 145 TC	8.47	9.88	2.09	20.75	28.39	8.27	23.39	2.80	6.14	20.40	5.30	7.20	11.30	9.06	2.95	0.30	
		13.42	1.10	7.99	33.44	10.63	25.16	3.66	8.03	25.45	5.90	8.50	14.00	3.35	2.438	0.30	
		12.05	0.87	5.75	35.04					27.05	7.40	10.30	15.60		2.71		
															5/8 x 5/8 x 7		
SK 6382 A - RV 30 - 145 TC	10.75	11.06	2.78	22.79	30.68	8.27	23.39	2.80	6.14	20.40	5.30	7.20	11.30	11.42	3.54	0.33	
		14.06	1.38	10.28	35.73	10.63	25.16	3.66	8.03	25.45	5.90	8.50	14.00	3.94	2.750	0.33	
		13.78	1.02	6.77	37.33					27.05	7.40	10.30	15.60		3.03		
															5/8 x 5/8 x 8		

Technical design may be subject to change.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION



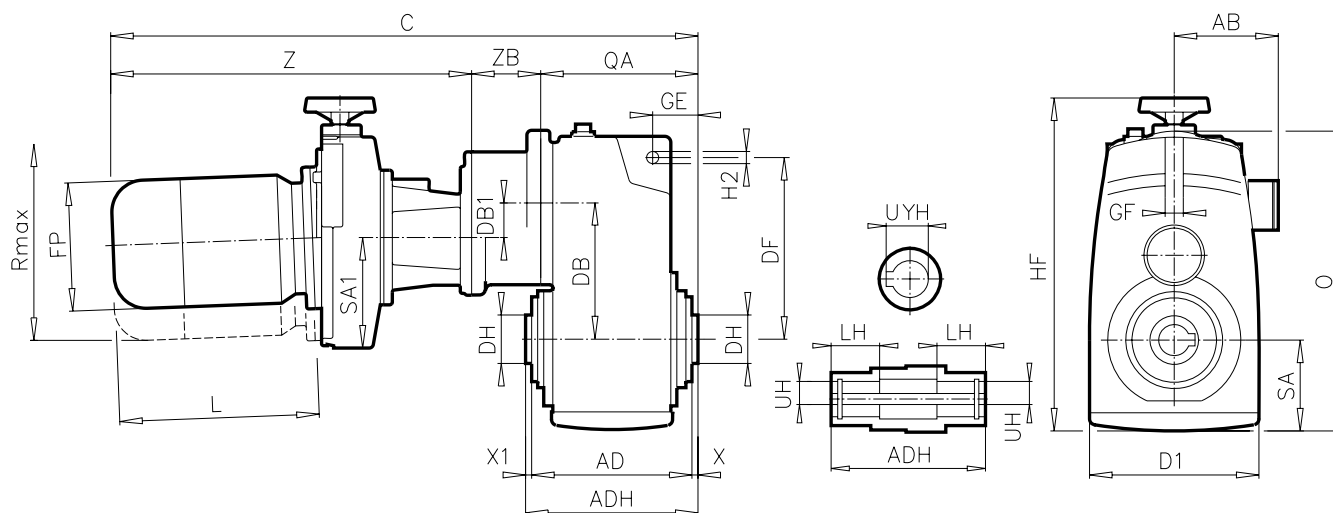
Type	Gear reducer dimensions					Outline dimensions					Motor dimensions			Shaft dimensions		
	AD DB DB1	DF D1 GE	GF H2 N	O QA SA	ZB	C	HF	Rmax	SA1	Z	AB	FP	L	U	UY	V
SK 1382 V - RV 10 - 56 C	4.53	6.50	0.55	10.98	2.28	25.43	12.24	1.38	3.62	15.95	5.30	7.20	9.30	1.250	1.36	2.75
	4.80	6.22	0.43	7.20												
	1.18	1.34	2.90	3.03												1/4 x 1/4 x 2-1/4
SK 2382 V - RV 10 - 56 C	4.96	8.31	0.63	13.27	2.36	26.22	13.25	1.38	3.62	15.95	5.30	7.20	9.30	1.375	1.51	2.75
	5.79	7.48	0.55	7.91		28.04	13.96	1.93	4.57	17.77	5.30	7.20	9.30			
	1.67	1.50	2.95	3.54												5/16 x 5/16 x 2-1/8
SK 3382 V - RV 10 - 56 C	6.38	9.84	0.71	15.24	2.36	27.75	14.84	1.38	3.62	15.95	5.30	7.20	9.30	1.875	2.09	3.50
	7.01	8.90	0.55	9.44		29.57	15.55	1.93	4.57	17.77	5.30	7.20	9.30			
	1.97	1.54	3.74	4.21		30.57				18.77	5.30	7.20	10.30			
						32.20	17.01	2.80	6.14	20.40	5.30	7.20	11.30			1/2 x 1/2 x 2-3/4
SK 4382 V - RV 20 - 56 C	7.13	11.06	0.87	17.87	2.72	31.69	16.85	1.93	4.57	17.53	5.30	7.20	9.30	2.250	2.47	4.00
	8.11	10.04	0.87	11.44		32.69				18.53	5.30	7.20	10.30			
	2.40	1.89	4.28	4.84		34.56	18.31	2.80	6.14	20.40	5.30	7.20	11.30			
						37.91	20.08	3.66	8.03	23.75	5.90	8.50	12.30			1/2 x 1/2 x 3-1/4
SK 5382 V - RV 20 - 56 C	8.47	13.42	1.10	20.75	2.72	33.24	18.94	1.93	4.57	17.53	5.30	7.20	9.30	2.500	2.77	5.00
	9.88	12.05	0.87	12.99		34.24				18.53	5.30	7.20	10.30			
	2.99	2.09	5.30	5.75		36.11	20.40	2.80	6.14	20.40	5.30	7.20	11.30			
						41.16	22.17	3.66	8.03	25.45	5.90	8.50	14.00			5/8 x 5/8 x 4

Technical design may be subject to change.

VARIABLE SPEED HELICAL SHAFT MOUNTING GEARED MOTORS



WITH FRICTION DRIVE, TRIPLE REDUCTION

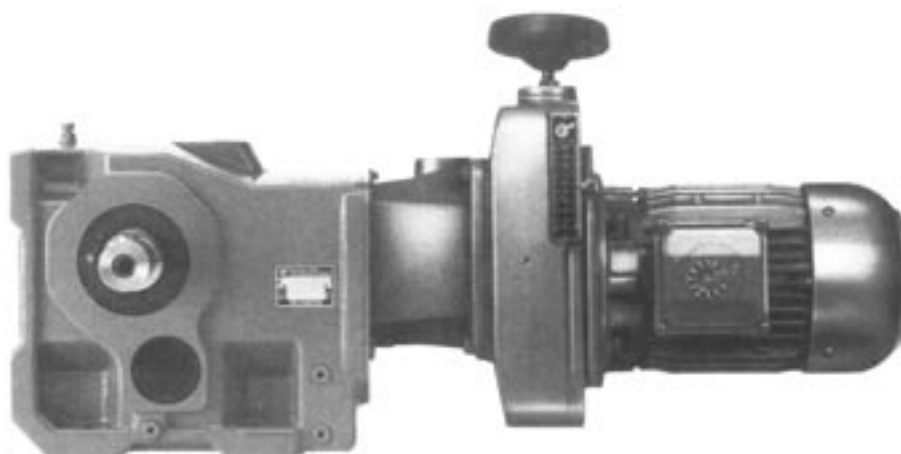


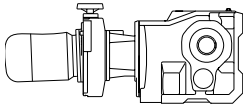
Type	Gear reducer dimensions				Outline dimensions					Motor dimensions			Shaft dimensions		
	AD DB DB1	DF D1 GE	GF H2 O	QA SA ZB	C	HF	Rmax	SA1	Z	AB	FP	L	ADH DH	LH UH UYH Key	X X1
SK 1382 A - RV 10 - 56 C	4.53	6.50	0.55	4.45	22.68	12.24	1.38	3.62	15.95	5.30	7.20	9.30	4.80	1.57	0.12
	4.80	6.22	0.43	3.03									1.77	1.188	0.16
	1.18	1.34	10.98	2.28										1.31	
SK 2382 A - RV 10 - 56 C	4.96	8.31	0.63	5.16	23.47	13.25	1.38	3.62	15.95	5.30	7.20	9.30	5.47	1.97	0.31
	5.79	7.48	0.55	3.54	25.29	13.96	1.93	4.57	17.77	5.30	7.20	9.30	1.97	1.438	0.20
	1.67	1.50	13.27	2.36										1.61	
SK 3382 A - RV 10 - 56 C	6.38	9.84	0.71	5.94	24.25	14.84	1.38	3.62	15.95	5.30	7.20	9.30	6.85	2.28	0.24
	7.01	8.90	0.55	4.21	26.07	15.55	1.93	4.57	17.77	5.30	7.20	9.30	2.17	1.625	0.24
	1.97	1.54	15.24	2.36	27.07				18.77	5.30	7.20	10.30		1.73	
SK 4382 A - RV 20 - 56 C	7.13	11.06	0.87	7.44	27.69	16.85	1.93	4.57	17.53	5.30	7.20	9.30	7.68	2.56	0.28
	8.11	10.04	0.87	4.84	28.69				18.53	5.30	7.20	10.30	2.76	2.062	0.28
	2.40	1.89	17.87	2.72	30.56	18.31	2.80	6.14	20.40	5.30	7.20	11.30		2.23	
SK 5382 A - RV 20 - 56 C	8.47	13.42	1.10	7.99	28.24	18.94	1.93	4.57	17.53	5.30	7.20	9.30	9.06	2.95	0.30
	9.88	12.05	0.87	5.75	29.24				18.53	5.30	7.20	10.30	3.35	2.438	0.30
	2.99	2.09	20.75	2.72	31.11	20.40	2.80	6.14	20.40	5.30	7.20	11.30		2.71	
SK 5382 A - RV 30 - 145 TC					36.16	22.17	3.66	8.03	25.45	5.90	8.50	14.00		5/8 x 5/8 x 7	

Technical design may be subject to change.

NOTES

VARIABLE SPEED HELICAL-BEVEL GEAR UNITS



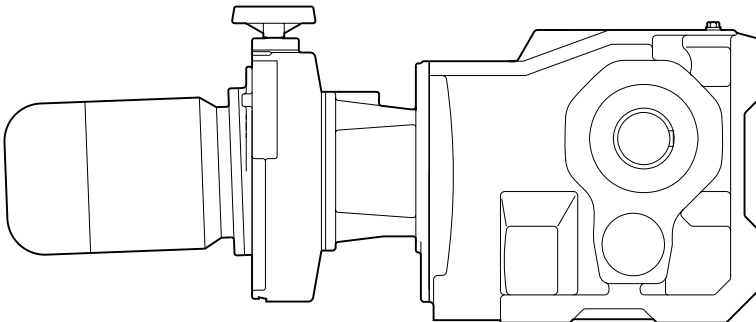


VARIABLE SPEED HELICAL-BEVEL GEAR UNITS

WITH FRICTION DRIVE UNIT

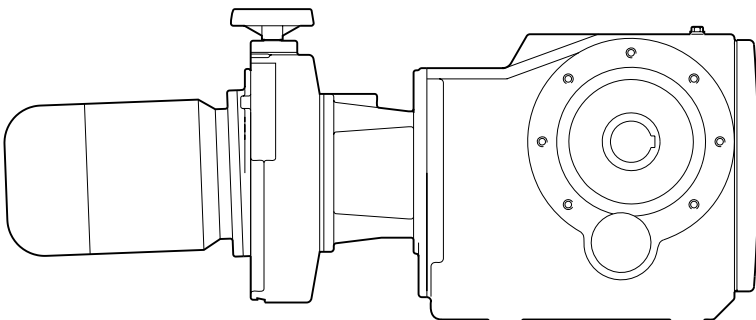
NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE	
FOOT MOUNTED , SOLID SHAFT		
SK 9012 - SK 9052 = Helical-Bevel Gearboxes, triple reduction	RV 10 Friction Drive Units RV 20 RV 30 RV 40	
SK 9013 - SK 9053 = Helical-Bevel Gearboxes, quadruple reduction		
SHAFT MOUNTED , HOLLOW SHAFT		
SK 9012 AZ - SK 9052 AZ = Helical-Bevel Gearboxes, triple reduction		RV 10 B Friction Drive Units, corrosin resistant RV 20 B RV 30 B RV 40 B
SK 9013 AZ - SK 9053 AZ = Helical-Bevel Gearboxes, quadruple reduction		
FLANGE MOUNTED , SOLID SHAFT, FLANGE B5		
SK 9012 VF - SK 9052 VF = Helical-Bevel Gearboxes, triple reduction		
SK 9013 VF - SK 9053 VF = Helical-Bevel Gearboxes, quadruple reduction		
HELICAL-BEVEL GEAR UNITS - OPTION		
see catalog 1000		



FOOT MOUNTED, SOLID SHAFT

Variable Speed Helical-Bevel Geared Motor with friction drive variable speed



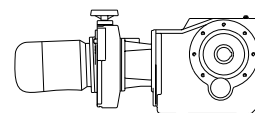
SHAFT MOUNTED, HOLLOW SHAFT

Variable Speed Helical-Bevel Geared Motor with friction drive variable speed

VARIABLE SPEED HELICAL-BEVEL GEAR UNITS

WITH FRICTION DRIVE UNIT

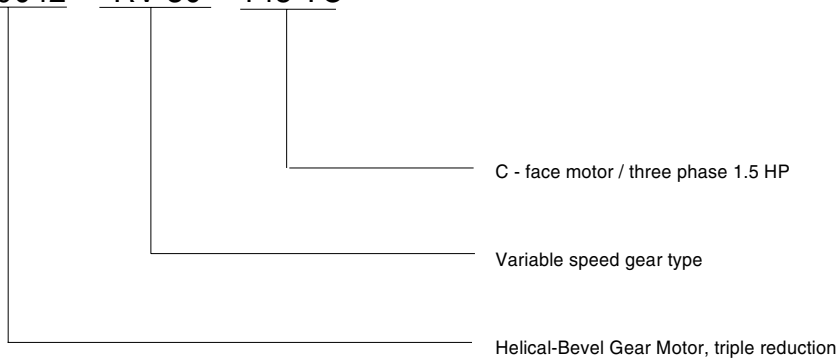
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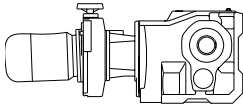


SPEED CONTROLS	MOTOR	MOTOR OPTIONS	
EMFST= Electromechanical remote control SPEED INDICATORS FAA= EMFST with remote speed indicator, analog FAD = EMFST with remote speed indicator, digital	C - face 0.25 - 7.50 HP 56 C - 213 TC	Washdown Duty Energy Efficient Single Phase Stainless Steel	115 / 230 V 230 / 460 V 575 V 50 or 60 Hz

EXAMPLE FOR ORDERING:

SK 9042 - RV 30 - 145 TC





VARIABLE SPEED HELICAL-BEVEL GEAR UNITS

MOUNTING POSITIONS

FOOT MOUNTED

B3	B3 I	B6
B6 I	B6 II	B8
B8 I	V5 / V5 I	V6 / V6 I

FLANGE MOUNTED

B5	B5 I	B5 II
B5 III	V1	V3

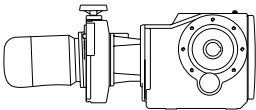
Symbols: Vent plug

Drain plug

Oil level

Mounting surface

VARIABLE SPEED HELICAL-BEVEL GEAR UNITS



MOUNTING POSITIONS

SHAFT MOUNTED

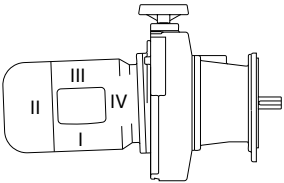
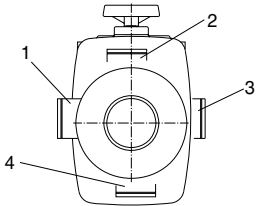
H1	H2
H3	H4
H5	H6

POSITION OF TERMINAL BOX AND CABLE ENTRY

Please specify position of terminal box and cable entry.

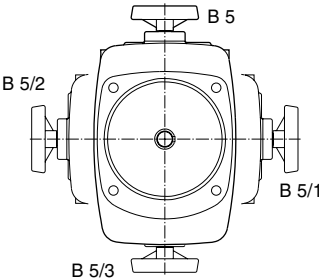
Normal design:
Terminal box at 3, cable entry at I or III only.

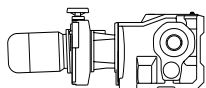
If other positions required, please specify exactly when ordering.



Symbols: Vent plug Drain plug Oil level Mounting surface

In all mounting positions the variable speed drive may be mounted at an angle of 90° or 180°.
(affix: /1 = right, /2 = left, /3 = below)





VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

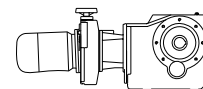
WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	3.2	0.4	4425	2.6	694.00	SK 9033 - RV 10 - 56C	0.7
	4.0	0.6	3443	3.3	540.95		
	4.6	0.7	3018	3.5	473.10		1:7
	6.2	0.9	2257	5.1	353.52		
	8.1	1.2	1708	6.7	268.61		194
	10.1	1.4	1372	8.4	215.59		
	13.0	1.9	1071	10.7	168.05		
	1.9	0.3	6372	1.0	1128.95	SK 9023 - RV 10 - 56C	0.7
	3.1	0.4	4549	1.2	713.97		
	6.4	0.9	2177	2.9	342.01		1:7
	7.3	1.0	1912	3.3	299.96		
	9.5	1.4	1469	4.3	230.21		143
	9.9	1.4	1407	4.5	220.93	SK 9022 - RV 10 - 56C	0.7
	14.1	2.0	991	5.4	155.28		
	16	2.2	894	5.9	139.72		1:7
	20	2.8	711	7.5	111.47		
	22	3.1	635	10.0	99.63		132
	28	3.9	506	12.6	79.49		
	5.0	0.7	2797	1.3	439.46	SK 9013 - RV 10 - 56C	0.7
	6.8	1.0	2044	1.7	320.60		
	7.8	1.1	1797	2.0	281.92		1:7
	10.3	1.5	1354	2.6	212.83		
	12.3	1.8	1133	3.1	177.88		126
	15.0	2.2	903	3.9	141.29		
	8.9	1.3	1566	2.3	246.37	SK 9012 - RV 10 - 56C	0.7
	10.6	1.5	1310	2.7	205.93		
	11.9	1.7	1168	3.0	183.10		1:7
	18	2.5	787	4.5	123.48		
	20	2.8	699	5.1	109.79		115
	22	3.2	620	5.7	97.36		
	25	3.6	548	6.5	86.00		
	29	4.1	488	7.3	76.53		
	35	5.0	400	8.8	62.74		
	40	5.7	351	10.1	55.17		
	45	6.4	312	11.4	48.95		
	53	7.5	266	13.3	41.65		
	63	9.0	222	15.9	34.81		
	70	9.9	200	17.7	31.45		
	79	11.3	176	20.1	27.65		
	89	12.7	157	22.6	24.53		
	105	14.9	133	23.3	20.87		
	125	18	112	23.7	17.45		
	143	20	97.4	24.5	15.30		
	179	26	77.9	22.1	12.23		
	202	29	69.0	22.8	10.85		
	237	34	58.4	23.9	9.23		
	270	39	51.3	24.5	8.09		
	2188	312	6.4	No Gearbox		SK - RV 10 F - 56C	0.7 1:7 49
0.33	3.2	0.4	5956	1.9	694.00	SK 9033 - RV 10 - 56C	0.8
	4.0	0.6	4646	2.5	540.95		1:7
	4.6	0.7	4062	2.6	473.10		196
	6.2	0.9	3036	3.8	353.52		

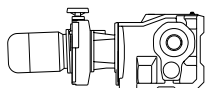
VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE



THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.33	8.1	1.2	2310	5.0	268.61	SK 9033 - RV 10 - 56C	0.8
	10.1	1.4	1850	6.2	215.59		1:7
	13.0	1.9	1443	8.0	168.05		196
	6.4	0.9	2938	2.2	342.01	SK 9023 - RV 10 - 56C	0.8
	7.3	1.0	2575	2.5	299.96		1:7
	9.5	1.4	1974	3.2	230.21		146
	9.9	1.4	1894	3.4	220.93	SK 9022 - RV 10 - 56C	0.8
	14.1	2.0	1336	4.0	155.28		1:7
	16	2.2	1204	4.4	139.72		
	20	2.8	956	5.6	111.47		135
	22	3.1	855	7.5	99.63		
	28	3.9	682	9.3	79.49		
	33	4.7	574	11.1	66.93		
	37	5.3	504	12.7	58.70		
	42	6.0	450	14.2	52.42		
	44	6.2	428	13.3	49.94		
	6.8	1.0	2752	1.3	320.60	SK 9013 - RV 10 - 56C	0.8
	7.8	1.1	2416	1.5	281.92		1:7 128
	8.9	1.3	2115	1.7	246.37	SK 9012 - RV 10 - 56C	0.8
	10.6	1.5	1770	2.0	205.93		1:7
	11.9	1.7	1575	2.2	183.10		
	18	2.5	1062	3.3	123.48		117
	20	2.8	938	3.8	109.79		
	22	3.2	835	4.2	97.36		
	25	3.6	738	4.8	86.00		
	29	4.1	657	5.4	76.53		
	35	5.0	539	6.6	62.74		
	40	5.7	473	7.5	55.17		
	45	6.4	420	8.4	48.95		
	53	7.5	358	9.9	41.65		
	63	9.0	299	11.8	34.81		
	70	9.9	270	13.1	31.45		
	79	11.3	237	14.9	27.65		
	89	12.7	211	16.8	24.53		
	105	14.9	179	17.3	20.87		
	125	18	150	17.6	17.45		
	143	20	131	18.2	15.30		
	179	26	105	16.3	12.23		
	202	29	92.9	17.0	10.85		
	237	34	79.7	17.5	9.23		
	270	39	69.0	18.3	8.09		
	2188	312	8.6	No Gearbox		SK - RV 10 F - 56C	0.8 1:7 51
0.50	3.2	0.4	9027	1.3	694.00	SK 9033 - RV 10 - 56C	1.1
	4.0	0.6	7036	1.6	540.95		1:7
	4.6	0.7	6151	1.7	473.10		
	6.2	0.9	4602	2.5	353.52		196
	8.1	1.2	3496	3.3	268.61		
	10.1	1.4	2805	4.1	215.59		
	13.0	1.9	2186	5.3	168.05		
	6.4	0.9	4452	1.4	342.01	SK 9023 - RV 10 - 56C	1.1
	7.3	1.0	3903	1.6	299.96		1:7
	9.5	1.4	2991	2.1	230.21		146



VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

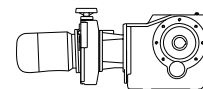
WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.50	9.9	1.4	2876	2.2	220.93	SK 9022 - RV 10 - 56C	1.1
	14.1	2.0	2018	2.6	155.28		
	16	2.2	1814	2.9	139.72		1:7
	20	2.8	1451	3.7	111.47		
	22	3.1	1292	4.9	99.63		135
	28	3.9	1035	6.2	79.49		
	33	4.7	871	7.3	66.93		
	37	5.3	764	8.3	58.70		
	42	6.0	682	9.3	52.42		
	44	6.2	650	8.8	49.94		
	8.9	1.3	3204	1.1	246.37	SK 9012 - RV 10 - 56C	1.1
	10.6	1.5	2682	1.3	205.93		
	11.9	1.7	2381	1.5	183.10		1:7
	18	2.5	1611	2.2	123.48		
	20	2.8	1425	2.5	109.79		117
	22	3.2	1266	2.8	97.36		
	25	3.6	1115	3.2	86.00		
	29	4.1	991	3.6	76.53		
	35	5.0	816	4.3	62.74		
	40	5.7	718	4.9	55.17		
	45	6.4	637	5.6	48.95		
	53	7.5	542	6.5	41.65		
	63	9.0	453	7.8	34.81		
	70	9.9	409	8.7	31.45		
	79	11.3	359	9.9	27.65		
	89	12.7	319	11.1	24.53		
	105	14.9	272	11.4	20.87		
	125	18	227	11.6	17.45		
	143	20	199	12.0	15.30		
	179	26	159	10.8	12.23		
	202	29	141	11.2	10.85		
	237	34	120	11.6	9.23		
	270	39	105	12.0	8.09		
2188	312		13.0	No Gearbox		SK - RV 10 F - 56C	1.1 1:7 51
0.75	1.6	0.2	27462	1.4	1404.06	SK 9053 - RV 20 - 56 C	1.6
	1.8	0.3	23647	1.5	1209.13		
	2.3	0.3	18293	2.0	935.38		1:7
	3.1	0.4	13815	2.7	706.53		
	3.8	0.6	11390	3.3	582.18		523
	5.2	0.7	8195	3.9	419.22		
	6.2	0.9	6850	5.4	350.22		
	8.2	1.2	5204	7.1	266.11		
	9.5	1.4	4496	7.2	229.93		
	13.2	1.9	3239	7.2	165.63		
	4.0	0.6	10806	2.0	552.33	SK 9043 - RV 20 - 56 C	1.6
	5.5	0.8	7788	2.5	397.98		
	6.4	0.9	6673	3.2	341.02		1:7
	8.0	1.1	5319	4.0	271.87		
	9.6	1.4	4478	4.7	228.91		351
	13.1	1.9	3275	6.5	167.32	SK 9033 - RV 10 - 56C	
	4.6	0.7	9257	1.1	473.10		1.6 1:7 232

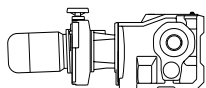
VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE



THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	6.2	0.9	6868	1.5	350.99	SK 9032 - RV 20 - 56 C	1.6
	7.4	1.1	5806	2.0	296.91		
	8.6	1.2	5000	2.3	255.55		1:7
	9.8	1.4	4363	2.6	223.21		
	10.8	1.5	3956	2.9	202.06		214
	12.4	1.8	3452	3.3	176.49		
	14.7	2.1	2912	4.0	148.81		
	17	2.4	2567	4.1	131.42		
	20	2.8	2177	5.3	111.17		
	22	3.1	1956	5.4	99.85		
	26	3.7	1655	7.0	84.47		
	29	4.1	1487	7.4	76.18		
	37	5.3	1159	8.0	59.38		
	44	6.3	974	7.4	49.61		
	9.9	1.4	4319	1.5	220.93	SK 9022 - RV 10 - 56C	1.6
	14.1	2.0	3036	1.7	155.28		
	16	2.2	2735	1.9	139.72		1:7
	20	2.8	2177	2.4	111.47		
	22	3.1	1947	3.3	99.63		143
	28	3.9	1558	4.1	79.49		
	33	4.7	1310	4.9	66.93		
	37	5.3	1151	5.5	58.70		
	42	6.0	1027	6.2	52.42		
	44	6.2	974	5.8	49.94		
	49	6.9	881	7.2	45.05		
	55	7.8	784	8.0	40.07		
	74	10.6	575	7.2	29.42		
	83	11.9	514	7.4	26.27		
	20	2.8	2151	1.6	109.79	SK 9012 - RV 10 - 56C	1.6
	22	3.2	1903	1.9	97.36		
	25	3.6	1682	2.1	86.00		1:7
	29	4.1	1496	2.4	76.53		
	35	5.0	1230	2.9	62.74		126
	40	5.7	1080	3.3	55.17		
	45	6.4	956	3.7	48.95		
	53	7.5	814	4.3	41.65		
	63	9.0	681	5.2	34.81		
	70	9.9	615	5.8	31.45		
	79	11.3	541	6.5	27.65		
	89	12.7	480	7.4	24.53		
	105	14.9	408	7.6	20.87		
	125	18	342	7.7	17.45		
	143	20	299	8.0	15.30		
	179	26	239	7.2	12.23		
	202	29	212	7.4	10.85		
	237	34	181	7.7	9.23		
	270	39	158	8.0	8.09		
2188	312		19.6	No Gearbox		SK - RV 10 F - 56C	1.6 1:7 86
1.00	1.8	0.3	31568	1.1	1209.13	SK 9053 - RV 20 - 56C	2.1
	2.3	0.3	24417	1.5	935.38		
	3.1	0.4	18443	2.0	706.53		1:7
	3.8	0.5	15195	2.4	582.18		
	5.2	0.7	10947	2.9	419.22		523
	6.2	0.9	9142	4.1	350.22		



VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

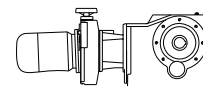
WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regl} [LBS]
1.00	8.2	1.2	6947	5.4	266.11	SK 9053 - RV 20 - 56C	2.1
	9.5	1.4	6000	5.4	229.93		1:7
	13.2	1.9	4328	5.4	165.63		523
	4.0	0.6	14417	1.5	552.33	SK 9043 - RV 20 - 56C	2.1
	5.5	0.8	10390	1.9	397.98		
	6.4	0.9	8903	2.4	341.02		1:7
	8.0	1.1	7098	3.0	271.87		
	9.6	1.4	5974	3.6	228.91		351
	13.1	1.9	4372	4.9	167.32		
	6.2	0.9	9160	1.2	350.99	SK 9032 - RV 20 - 56C	2.1
	7.4	1.1	7753	1.5	296.91		
	8.6	1.2	6673	1.7	255.55		1:7
	9.8	1.4	5823	2.0	223.21		
	10.8	1.5	5275	2.2	202.06		214
	12.4	1.8	4611	2.5	176.49		
	14.7	2.1	3885	3.0	148.81		
	17	2.4	3434	3.1	131.42		
	20	2.8	2903	4.0	111.17		
	22	3.1	2611	4.1	99.85		
	26	3.7	2204	5.2	84.47		
	29	4.1	1991	5.6	76.18		
	37	5.3	1549	6.0	59.38		
	44	6.3	1292	5.6	49.61		
	9.9	1.4	5770	1.1	220.93	SK 9022 - RV 20 - 56C	2.1
	14.1	2.0	4053	1.3	155.28		
	16	2.2	3646	1.5	139.72		1:7
	20	2.8	2912	1.8	111.47		
	22	3.1	2602	2.4	99.63		170
	28	3.9	2071	3.1	79.49		
	33	4.7	1743	3.7	66.93		
	37	5.3	1531	4.2	58.70		
	42	6.0	1372	4.6	52.42		
	44	6.2	1301	4.4	49.94		
	49	6.9	1177	5.4	45.05		
	55	7.8	1044	6.0	40.07		
	74	10.6	768	5.4	29.42		
	83	11.9	686	5.6	26.27		
	20	2.8	2867	1.2	109.79	SK 9012 - RV 20 - 56C	2.1
	22	3.2	2540	1.4	97.36		
	25	3.6	2248	1.6	86.00		1:7
	29	4.1	2000	1.8	76.53		
	35	5.0	1637	2.2	62.74		152
	40	5.7	1443	2.5	55.17		
	45	6.4	1274	2.8	48.95		
	53	7.5	1089	3.3	41.65		
	63	9.0	912	3.9	34.81		
	70	9.9	821	4.3	31.45		
	79	11.3	722	4.9	27.65		
	89	12.7	641	5.5	24.53		
	105	14.9	545	5.7	20.87		
	125	18	456	5.8	17.45		
	143	20	399	6.0	15.30		
	179	26	319	5.4	12.23		
	202	29	283	5.6	10.85		
	237	34	241	5.8	9.23		
	270	39	212	6.0	8.09		
2188	312		26.1	No Gearbox		SK - RV 20 F - 56C	2.1 1:7 86

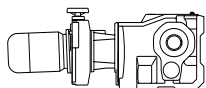
VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE



THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.50	3.1	0.4	27639	1.3	706.53	SK 9053 - RV 20 - 143TC	3.0
	3.8	0.5	22771	1.6	582.18		
	5.2	0.7	16399	1.9	419.22		1:7
	6.2	0.9	13700	2.7	350.22		
	8.2	1.2	10408	3.6	266.11		527
	9.5	1.4	8992	3.6	229.93		
	13.2	1.9	6478	3.6	165.63		
	5.5	0.8	15567	1.3	397.98	SK 9043 - RV 20 - 143TC	3.0
	6.4	0.9	13337	1.6	341.02		
	8.0	1.1	10638	2.0	271.87		1:7
	9.6	1.4	8956	2.4	228.91		
	13.1	1.9	6549	3.2	167.32		355
	8.6	1.2	10001	1.2	255.55	SK 9032 - RV 20 - 143TC	3.0
	9.8	1.4	8735	1.3	223.21		
	10.8	1.5	7903	1.5	202.06		1:7
	12.4	1.8	6903	1.7	176.49		
	14.7	2.1	5823	2.0	148.81		218
	17	2.4	5142	2.1	131.42		
	20	2.8	4345	2.6	111.17		
	22	3.1	3903	2.7	99.85		
	26	3.7	3301	3.5	84.47		
	29	4.1	2982	3.7	76.18		
	37	5.3	2319	4.0	59.38		
	44	6.3	1938	3.7	49.61		
	20	2.8	4363	1.2	111.47	SK 9022 - RV 20 - 143TC	3.0
	22	3.1	3894	1.6	99.63		
	28	3.9	3106	2.1	79.49		1:7
	33	4.7	2620	2.4	66.93		
	37	5.3	2292	2.8	58.70		174
	42	6.0	2053	3.1	52.42		
	44	6.2	1956	2.9	49.94		
	49	6.9	1761	3.6	45.05		
	55	7.8	1566	4.0	40.07		
	74	10.6	1151	3.6	29.42		
	83	11.9	1027	3.7	26.27		
	25	3.6	3363	1.1	86.00	SK 9012 - RV 20 - 143TC	3.0
	29	4.1	2991	1.2	76.53		
	35	5.0	2451	1.4	62.74		1:7
	40	5.7	2159	1.6	55.17		
	45	6.4	1912	1.9	48.95		157
	53	7.5	1628	2.2	41.65		
	63	9.0	1363	2.6	34.81		
	70	9.9	1230	2.9	31.45		
	79	11.3	1080	3.3	27.65		
	89	12.7	956	3.7	24.53		
	105	14.9	816	3.8	20.87		
	125	18	682	3.9	17.45		
	143	20	598	4.0	15.30		
	179	26	479	3.6	12.23		
	202	29	425	3.7	10.85		
	237	34	361	3.9	9.23		
	270	39	317	4.0	8.09		
2188	312		39.1	No Gearbox		SK - RV 20 F - 143TC	3.0 1:7 90



VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

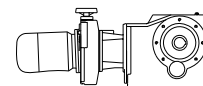
WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	5.2	0.7	21886	1.5	419.22	SK 9053 - RV 30 - 145TC	3.4
	6.2	0.9	18284	2.0	350.22		1:7
	8.2	1.2	13895	2.7	266.11		567
	9.5	1.4	12009	3.1	229.93		
	11.0	1.6	10399	3.6	199.13	SK 9052 - RV 30 - 145TC	3.4
	12.8	1.8	8956	4.0	171.48		
	15.0	2.2	7531	4.2	144.22		1:7
	18	2.6	6292	5.9	120.48		
	22	3.1	5213	5.8	99.81		527
	25	3.5	4620	7.7	88.50		
	6.4	0.9	17806	1.2	341.02	SK 9043 - RV 30 - 145TC	3.4
	8.0	1.1	14195	1.5	271.87		1:7
	9.6	1.4	11956	1.8	228.91		395
	13.1	1.9	8735	2.4	167.32		
	14.1	2.0	8124	2.6	155.52	SK 9042 - RV 30 - 145TC	3.4
	20	2.9	5664	3.4	108.44		
	24	3.4	4850	4.4	92.92		1:7
	26	3.7	4390	4.8	84.04		
	30	4.2	3867	5.5	74.08		362
	33	4.7	3487	6.1	66.71		
	40	5.8	2823	6.9	54.15		
	47	6.7	2416	7.7	46.35		
	56	7.9	2053	8.5	39.32		
	65	9.3	1743	7.3	33.44		
	81	11.5	1416	8.0	27.14		
	94	13.4	1212	8.5	23.23		
	111	16	1027	8.5	19.71		
	131	19	875	8.9	16.76		
	140	20	818	8.0	15.66		
	163	23	700	8.5	13.40		
	192	27	596	8.9	11.40		
	10.8	1.5	10549	1.1	202.06	SK 9032 - RV 30 - 145TC	3.4
	12.4	1.8	9213	1.2	176.49		
	17	2.4	6859	1.5	131.42		1:7
	20	2.8	5806	2.0	111.17		
	22	3.1	5213	2.0	99.85		258
	26	3.7	4407	2.6	84.47		
	29	4.1	3974	2.9	76.18		
	37	5.3	3098	3.7	59.38		
	44	6.3	2593	4.4	49.61		
	46	6.5	2496	4.6	47.87		
	53	7.6	2151	4.5	41.21		
	61	8.7	1876	4.7	35.99		
	72	10.2	1593	5.2	30.45		
	77	11.0	1478	5.0	28.37		
	82	11.8	1389	5.2	26.55		
	91	13.0	1257	5.0	23.99		
	106	15.0	1080	5.0	20.65		
	121	17	938	5.1	18.04		
	143	20	797	5.2	15.26		
	173	25	662	5.0	12.68		
	204	29	560	5.2	10.73		
	258	37	443	4.8	8.48		
	28	3.9	4151	1.5	79.49	SK 9022 - RV 30 - 145TC	3.4
	33	4.7	3496	1.8	66.93		1:7
	37	5.3	3062	2.1	58.70		214
	42	6.0	2735	2.3	52.42		

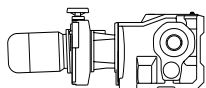
VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE



THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	49	6.9	2354	2.7	45.05	SK 9022 - RV 30 - 145TC	3.4
	55	7.8	2089	3.1	40.07		
	69	9.9	1655	3.9	31.62		1:7
	74	10.6	1540	4.1	29.42		
	83	11.9	1372	4.3	26.27		214
	97	13.8	1177	4.5	22.58		
	109	16	1044	4.7	20.08		
	134	19	851	4.1	16.30		
	150	21	760	4.3	14.56		
	175	25	653	4.5	12.51		
	197	28	581	4.7	11.13		
	249	36	458	4.9	8.78		
	35	5.0	3275	1.1	62.74	SK 9012 - RV 30 - 145TC	3.4
	40	5.7	2885	1.2	55.17		
	45	6.4	2558	1.4	48.95		1:7
	53	7.5	2177	1.6	41.65		
	63	9.0	1814	2.0	34.81		196
	70	9.9	1646	2.2	31.45		
	79	11.3	1443	2.5	27.65		
	89	12.7	1283	2.8	24.53		
	105	14.9	1089	2.8	20.87		
	125	18	912	3.4	17.45		
	143	20	799	3.5	15.30		
	179	26	639	2.8	12.23		
	202	29	566	3.0	10.85		
	237	34	482	3.3	9.23		
	270	39	422	3.4	8.09		
	2188	312	52.2	No Gearbox		SK - RV 30 F - 145TC	3.4 1:7 130
3.00	8.2	1.2	20815	1.8	266.11	SK 9053 - RV 30 - 145TC	4.8
	9.5	1.4	17992	2.1	229.93		1:7 567
	11.0	1.6	15576	2.4	199.13	SK 9052 - RV 30 - 145TC	4.8
	12.8	1.8	13417	2.6	171.48		
	15.0	2.2	11284	2.8	144.22		1:7
	18	2.6	9425	3.9	120.48		
	22	3.1	7806	3.9	99.81		527
	25	3.5	6921	5.2	88.50		
	30	4.3	5673	5.6	72.51		
	35	5.0	4903	5.9	62.65		
	40	5.7	4283	6.2	54.77		
	48	6.9	3531	6.8	45.13		
	56	8.0	3044	6.8	38.86		
	60	8.6	2841	5.6	36.34		
	70	9.9	2460	5.9	31.40		
	80	11.4	2151	6.2	27.45		
	97	13.8	1770	6.8	22.62		
	112	16	1522	6.8	19.48		
	127	18	1345	6.7	17.21		
	134	19	1274	6.2	16.33		
	163	23	1053	6.8	13.45		
	184	26	929	6.7	11.88		
	14.1	2.0	12169	1.7	155.52	SK 9042 - RV 30 - 145TC	4.8
	20	2.9	8487	2.3	108.44		1:7
	24	3.4	7266	2.9	92.92		362
	26	3.7	6576	3.2	84.04		



VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

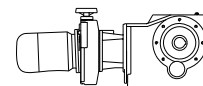
WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
3.00	30	4.2	5797	3.7	74.08	SK 9042 - RV 30 - 145TC	4.8
	33	4.7	5222	4.1	66.71		
	40	5.8	4239	4.6	54.15		1:7
	47	6.7	3629	5.1	46.35		
	56	7.9	3080	5.7	39.32		362
	65	9.3	2620	4.9	33.44		
	81	11.5	2124	5.3	27.14		
	94	13.4	1814	5.7	23.23		
	111	16	1540	5.7	19.71		
	131	19	1310	5.9	16.76		
	140	20	1221	5.4	15.66		
	163	23	1044	5.7	13.40		
	192	27	894	5.9	11.40		
	20	2.8	8700	1.3	111.17	SK 9032 - RV 30 - 145TC	4.8
	22	3.1	7815	1.4	99.85		
	26	3.7	6611	1.7	84.47		1:7
	29	4.1	5956	1.9	76.18		
	37	5.3	4646	2.5	59.38		258
	44	6.3	3885	2.9	49.61		
	46	6.5	3744	3.1	47.87		
	53	7.6	3221	3.0	41.21		
	61	8.7	2814	3.1	35.99		
	72	10.2	2381	3.5	30.45		
	77	11.0	2221	3.4	28.37		
	82	11.8	2080	3.5	26.55		
	91	13.0	1876	3.4	23.99		
	106	15.0	1620	3.4	20.65		
	121	17	1407	3.4	18.04		
	143	20	1195	3.5	15.26		
	173	25	991	3.4	12.68		
	204	29	840	3.5	10.73		
	258	37	664	3.2	8.48		
2188	312		78.2	No Gearbox		SK - RV 30 F - 145TC	4.8 1:7 130
5.00	8.2	1.6	34621	1.1	266.11	SK 9053 - RV 40 - 184TC	7.6
	9.5	1.9	29913	1.2	229.93		1:5 644
	11.0	2.2	25904	1.4	199.13	SK 9052 - RV 40 - 184TC	7.6
	12.8	2.6	22311	1.6	171.48		
	15.0	3.0	18762	1.7	144.22		1:5
	18	3.6	15673	2.4	120.48		
	22	4.4	12983	2.3	99.81		604
	25	4.9	11514	3.1	88.50		
	30	6.0	9434	3.4	72.51		
	35	7.0	8151	3.6	62.65		
	40	8.0	7124	3.7	54.77		
	48	9.7	5868	4.1	45.13		
	56	11.3	5053	4.1	38.86		
	60	12.1	4726	3.4	36.34		
	70	13.9	4089	3.6	31.40		
	80	16	3575	3.7	27.45		
	97	19	2947	4.1	22.62		
	112	22	2531	4.1	19.48		
	127	25	2239	4.0	17.21		
	134	27	2124	3.7	16.33		
	163	33	1752	4.1	13.45		
	184	37	1549	4.0	11.88		

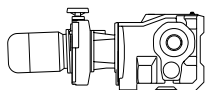
VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE



THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
5.00	20	4.0	14107	1.4	108.44	SK 9042 - RV 40 - 184TC	7.6
	24	4.7	12089	1.8	92.92		
	26	5.2	10930	1.9	84.04		1:5
	30	5.9	9638	2.2	74.08		
	33	6.6	8682	2.4	66.71		439
	40	8.1	7045	2.8	54.15		
	47	9.4	6027	3.1	46.35		
	56	11.1	5115	3.4	39.32		
	65	13.1	4354	2.9	33.44		
	81	16	3531	3.2	27.14		
	94	19	3018	3.4	23.23		
	111	22	2567	3.4	19.71		
	131	26	2177	3.6	16.76		
	140	28	2036	3.2	15.66		
	163	33	1743	3.4	13.40		
	192	38	1487	3.6	11.40		
	29	5.7	9912	1.2	76.18	SK 9032 - RV 40 - 184TC	7.6
	37	7.4	7726	1.5	59.38		
	44	8.8	6452	1.8	49.61		1:5
	46	9.1	6230	1.8	47.87		
	53	10.6	5363	1.8	41.21		335
	61	12.2	4682	1.9	35.99		
	72	14.4	3965	2.2	30.45		
	77	15	3690	2.9	28.37		
	82	16	3452	2.6	26.55		
	91	18	3124	2.9	23.99		
	106	21	2690	2.9	20.65		
	121	24	2345	2.9	18.04		
	143	29	1982	3.1	15.26		
	173	35	1646	2.9	12.68		
	204	41	1398	3.1	10.73		
	258	52	1106	3.2	8.48		
2188	438		130	No Gearbox		SK - RV 40 F - 184TC	7.6 1:5 207
7.50	12.8	2.6	33542	1.1	171.48	SK 9052 - RV 40 - 213 TC	11
	15.0	3.0	28205	1.1	144.22		
	18	3.6	23568	1.6	120.48		1:5
	22	4.4	19523	1.5	99.81		
	25	4.9	17311	2.1	88.50		644
	30	6.0	14178	2.3	72.51		
	35	7.0	12257	2.4	62.65		
	40	8.0	10709	2.5	54.77		
	48	9.7	8823	2.7	45.13		
	56	11.3	7602	2.7	38.86		
	60	12.1	7107	2.3	36.34		
	70	13.9	6142	2.4	31.40		
	80	16	5372	2.5	27.45		
	97	19	4425	2.7	22.62		
	112	22	3814	2.7	19.48		
	127	25	3363	2.7	17.21		
	134	27	3195	2.5	16.33		
	163	33	2628	2.7	13.45		
	184	37	2328	2.7	11.88		
	24	4.7	18178	1.2	92.92	SK 9042 - RV 40 - 213 TC	11
	26	5.2	16434	1.3	84.04		1:5
	30	5.9	14487	1.5	74.08		478



VARIABLE SPEED HELICAL-BEVEL MOUNTED GEARED MOTORS

WITH FRICTION DRIVE

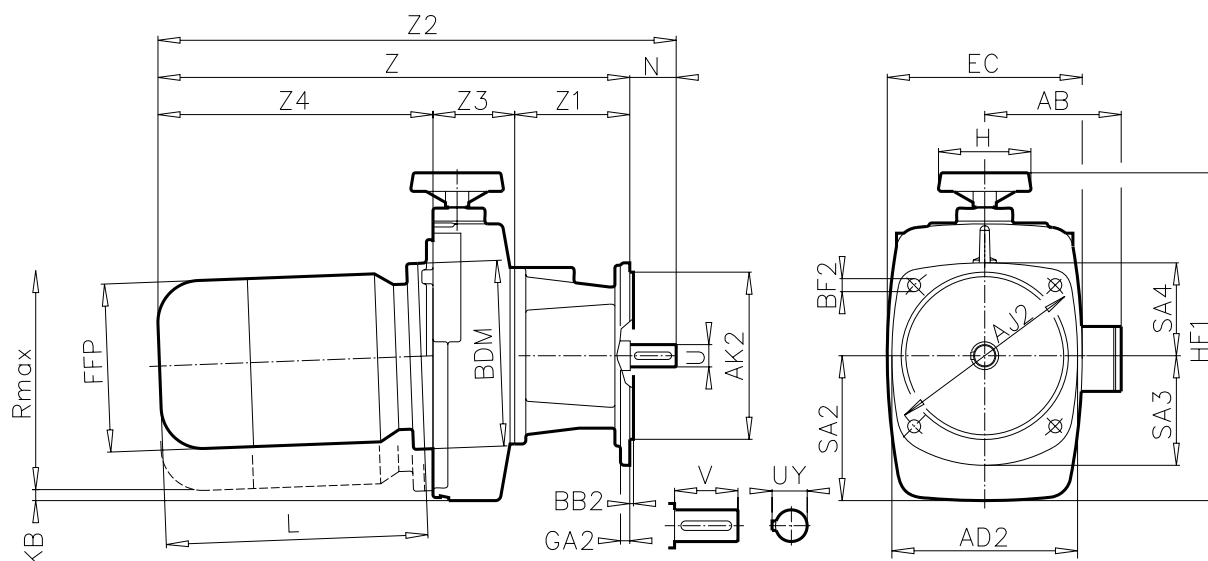
THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regl} [LBS]
7.50	33	6.6	13045	1.6	66.71	SK 9042 - RV 40 - 213 TC	11
	40	8.1	10593	1.8	54.15		
	47	9.4	9062	2.1	46.35		1:5
	56	11.1	7691	2.3	39.32		
	65	13.1	6540	1.9	33.44		478
	81	16	5310	2.1	27.14		
	94	19	4540	2.3	23.23		
	111	22	3859	2.3	19.71		
	131	26	3275	2.4	16.76		
	140	28	3062	2.1	15.66		
	163	33	2620	2.3	13.40		
	192	38	2230	2.4	11.40		
	44	8.8	9700	1.2	49.61	SK 9032 - RV 40 - 213 TC	11
	46	9.1	9363	1.2	47.87		
	53	10.6	8062	1.2	41.21		1:5
	61	12.2	7036	1.3	35.99		
	72	14.4	5956	1.5	30.45		375
	77	15.0	5549	1.9	28.37		
	82	16	5195	1.7	26.55		1:5
	91	18	4691	1.9	23.99		375
	106	21	4036	1.9	20.65		
	121	24	3531	1.9	18.04		
	143	29	2982	2.1	15.26		
	173	35	2478	1.9	12.68		
	204	41	2097	2.1	10.73		
	258	52	1655	2.1	8.48		
2188	438		196	No Gearbox		SK - RV 40 F - 213TC	11 1:5 247

VARIABLE SPEED MOTORS



FRICTION DRIVE UNITS



Type	Fitting flange	Outline dimensions												Motor				Shaft dimensions		
		SA2	N	Z2	*KB	Z1	Z	Z3	Z4	HF1	H	EC	Rmax	AB	BDM	FP	L	U	UY	V
SK RV10 - 56 C	160 S	3.62	1.22	17.17	-1.38	3.23	15.95	2.64	10.08	9.21	3.15	4.72	1.38	5.30	4.13	7.20	9.30	0.55	0.63	1.18
SK RV20 - 56 C - 143 TC - 56 C - 143 TC	160 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	9.30	0.75	0.85	1.58
				20.18	-0.96		18.77		11.17					5.30		7.20	10.30			
	250 S	1.65	19.18	-0.89	4.37	17.53		10.17						5.30		7.20	9.30			
			20.18	-0.96		18.53		11.17						5.30		7.20	10.30			
SK RV30 - 145 TC - 145 TC - 145 TC	160 S	6.14	1.81	22.45	0	5.12	20.64	3.47	12.05	13.90	3.94	8.27	2.80	5.30	7.87	7.20	11.30	0.95	1.06	1.97
	250 S		2.05	22.45	0	4.88	20.40		12.05					5.30		7.20	11.30			
	300 S	1.97	22.45	0	4.88	20.40		12.05						5.30		7.20	11.30			
SK RV40 - 184 TC - 213 TC	250 S	8.03	2.62	28.07	0	6.14	25.45	4.21	15.10	17.56	4.92	10.63	3.66	5.90	9.84	8.50	14.00	1.10	1.22	2.36
	and 300 S			29.67	-0.55		27.05		16.70					7.40		10.30	15.60			

*KB= negative values are beyond SA2

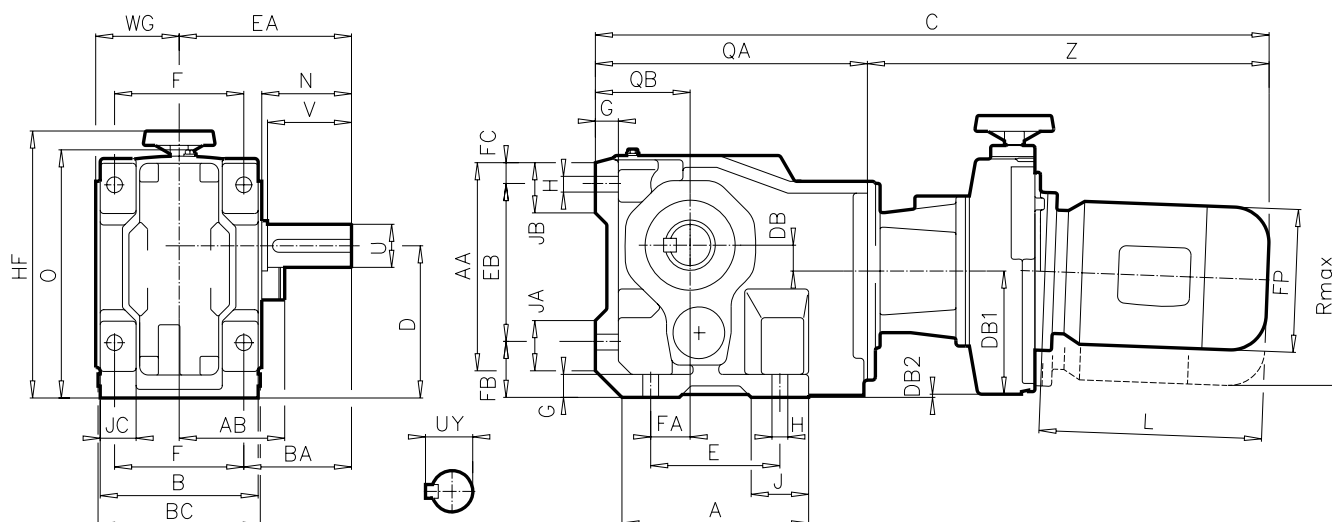
Fitting flange	Mounting dimensions							
	AD2	SA3	SA4	AK2	GA2	AJ2	BB2	BF2
160 S	5.12	3.15	2.48	4.331	0.47	5.12	0.14	0.35
250 S	7.87	4.65	3.94	7.087	0.63	8.47	0.16	0.55
300 S	9.84	5.98	4.92	9.055	0.79	10.43	0.16	0.55

Technical design may be subject to change

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, FOOT MOUNTED, TRIPLE REDUCTION



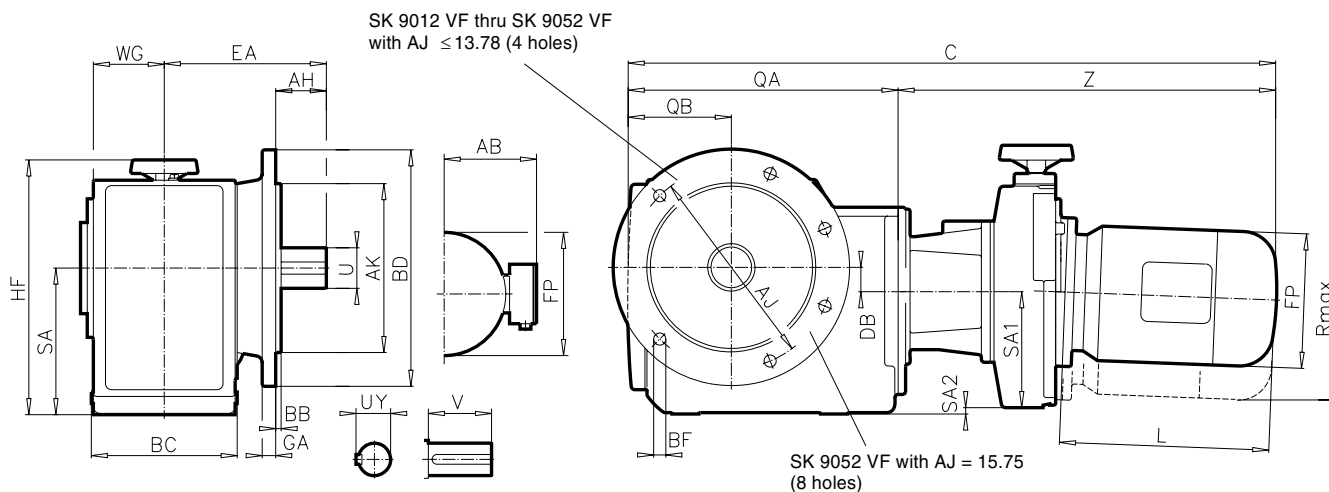
Type	Mounting dimensions					Outline dimensions													Motor			Shaft dimensions		
	A	E	FA	G	JA	BA	C	D	DB1	DB2	EA	HF	N	QA	R _{max}	WG	Z	AB	FP	L	U	UY	V	
	AA	EB	FB	H	JB	BC		DB					O	QB										
	B	F	FC	J	JC																Key			
SK 9012																								
- RV 10 - 56 C	6.77	5.12	1.38	0.63	1.58	2.95	<u>25.32</u>	4.41	<u>3.62</u>	<u>0.39</u>	5.32	<u>9.61</u>	2.52	9.37	<u>1.38</u>	2.80	<u>15.95</u>	5.30	7.20	9.30	1.250	1.36	2.36	
- RV 20 - 56 C	6.50	5.12	1.46	0.43	1.38	5.59	27.14	0.39	4.57	-0.55		10.32	7.64	2.80	1.93		17.77	5.30	7.20	9.30				
- 143 TC	5.51	4.72	0.59	1.77	1.10		<u>28.14</u>										<u>18.77</u>	5.30	7.20	<u>10.30</u>				
- RV 30 - 145 TC							30.01		6.14	-2.12		11.78			2.80		20.64	5.30	7.20	11.30	1/4 x 1/4 x 1-5/8			
SK 9022																								
- RV 10 - 56 C	7.48	4.72	1.18	0.95	1.97	3.58	<u>27.37</u>	5.51	<u>3.62</u>	<u>1.34</u>	6.34	<u>10.55</u>	2.95	11.42	<u>1.38</u>	3.39	<u>15.95</u>	5.30	7.20	9.30	1.375	1.51	2.76	
- RV 20 - 56 C	7.40	5.12	1.97	0.55	2.28	6.77	29.19	0.55	4.57	0.39		11.26	9.29	3.94	1.93		17.77	5.30	7.20	9.30				
- 143 TC	6.54	5.51	1.18	2.36	1.50		<u>30.19</u>										<u>18.77</u>	5.30	7.20	<u>10.30</u>				
- RV 30 - 145 TC							32.06		6.14	-1.18		12.72			2.80		20.64	5.30	7.20	11.30	5/16 x 5/16 x 2-1/8			
SK 9032																								
- RV 20 - 56 C	9.06	5.91	1.57	0.99	2.36	4.47	30.09	7.09	4.57	1.57	7.72	12.45	3.78	12.56	1.93	3.94	17.53	5.30	7.20	9.30	1.750	1.92	3.54	
- 143 TC	9.57	7.48	2.56	0.71	2.36	7.99	<u>31.09</u>	0.94					11.61	4.41			<u>18.53</u>	5.30	7.20	<u>10.30</u>				
- RV 30 - 145 TC	7.68	6.50	0.79	2.76	1.77		<u>32.96</u>		<u>6.14</u>	<u>0</u>		<u>13.91</u>			<u>2.80</u>		<u>20.40</u>	5.30	7.20	11.30				
- RV 40 - 184 TC							38.01		8.03	-1.89		15.68			3.66		25.45	5.90	8.50	14.00				
- 213 TC							39.61										27.05	7.40	10.30	15.60	3/8 x 3/8 x 2-1/2			
SK 9042																								
- RV 30 - 145 TC	10.23	7.09	2.17	1.26	2.76	5.91	<u>35.32</u>	8.35	<u>6.14</u>	<u>0.79</u>	9.45	<u>14.69</u>	4.92	14.92	<u>2.80</u>	4.53	<u>20.40</u>	5.30	7.20	11.30	2.375	2.65	4.72	
- RV 40 - 184 TC	11.42	8.66	3.03	0.87	2.76	9.84	40.37	1.42	8.03	1.10		16.46	13.66	5.20	3.66		25.45	5.90	8.50	14.00				
- 213 TC	8.66	7.09	1.18	3.15	1.97		41.97										27.05	7.40	10.30	15.60	5/8 x 5/8 x 3-1/4			
SK 9052																								
- RV 30 - 145 TC	12.99	9.45	2.95	1.50	3.94	6.73	<u>38.51</u>	10.43	<u>6.14</u>	<u>2.68</u>	11.46	<u>16.58</u>	5.75	18.11	<u>2.80</u>	5.71	<u>20.40</u>	5.30	7.20	11.30	2.875	3.20	5.51	
- RV 40 - 184 TC	14.17	11.02	3.35	1.02	3.54	11.53	43.56	1.61	8.03	0.79		18.35	16.73	6.30	3.66		25.45	5.90	8.50	14.00				
- 213 TC	11.22	9.45	1.38	3.94	2.76		45.16										27.05	7.40	10.30	15.60	3/4 x 3/4 x 3-1/2			

Technical design may be subject to change.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, FLANGE MOUNTED, TRIPLE REDUCTION



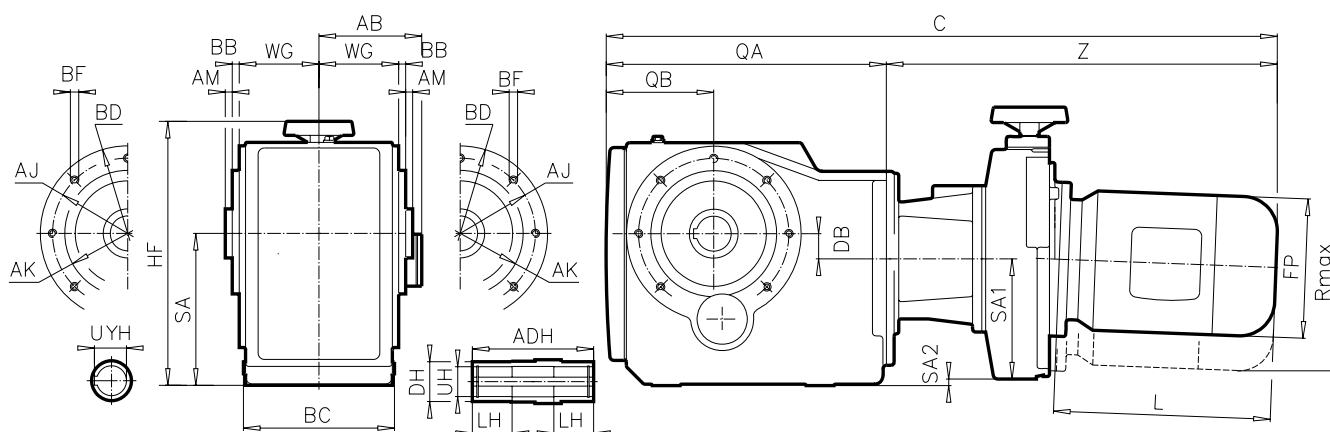
Type	Mounting dimensions			Outline dimensions														Motor			Shaft dimensions		
	AJ AK	BB BD	BF GA	AH	BC	C	DB	EA	HF	QA QB	R _{max}	SA	SA1	SA2	WG	Z	AB	FP	L	U	UY	V	
	Key																						
SK 9012 VF																							
- RV 10 - 56 C	6.50	0.14	0.43	0.87	5.67	25.75	0.39	5.32	9.61	9.80	1.38	4.41	3.62	0.39	2.68	15.95	5.30	7.20	9.30	1.250	1.36	2.36	
- RV 20 - 56 C	5.118	7.87	0.47			27.57			10.32	3.23	1.93		4.57	-0.55		17.77	5.30	7.20	9.30				
- 145 TC						29.57										19.77	5.30	7.20	11.30				
- RV 30 - 145 TC						30.44			11.78		2.80		6.14	-2.13		20.64	5.30	7.20	11.30	1/4 x 1/4 x 2			
SK 9022 VF																							
- RV 10 - 56 C	8.47	0.16	0.55	1.06	6.46	27.45	0.55	6.34	10.67	11.50	1.38	5.63	3.62	1.46	3.23	15.95	5.30	7.20	9.30	1.375	1.51	2.76	
- RV 20 - 56 C	7.087	9.84	0.63			29.27			11.38	4.02	1.93		4.57	0.51		17.77	5.30	7.20	9.30				
- 145 TC						31.27										19.77	5.30	7.20	11.30				
- RV 30 - 145 TC						32.14			12.84		2.80		6.14	-1.06		20.64	5.30	7.20	11.30	5/16 x 5/16 x 2-1/4			
SK 9032 VF																							
- RV 20 - 56 C	8.47	0.16	0.55	1.81	7.87	30.64	0.94	7.72	12.45	13.11	1.93	7.09	4.57	1.57	3.82	17.53	5.30	7.20	9.30	1.750	1.92	3.54	
- 145 TC	7.087	9.84	0.63			32.64				4.96						19.53	5.30	7.20	11.30				
- RV 30 - 145 TC	or					33.51			13.91		2.80		6.14	0		20.40	5.30	7.20	11.30				
- RV 40 - 182 TC	10.43	0.16	0.55			36.86			15.68		3.66		8.03	-1.89		23.75	5.90	8.50	12.30				
- 184 TC	9.055	11.81	0.79			38.56										25.45	5.90	8.50	14.00				
- 213 TC						40.16										27.05	7.40	10.30	15.60	3/8 x 3/8 x 2-3/4			
SK 9042 VF																							
- RV 30 - 145 TC	11.81	0.20	0.71	2.95	9.84	36.19	1.42	9.45	14.88	15.79	2.80	8.54	6.14	0.98	4.25	20.40	5.30	7.20	11.30	2.375	2.65	4.72	
- RV 40 - 182 TC	9.843	13.78	0.79			39.54			16.65	6.06	3.66		8.03	-0.91		23.75	5.90	8.50	12.30				
- 184 TC						41.24										25.45	5.90	8.50	14.00				
- 213 TC						42.84										27.05	7.40	10.30	15.60	5/8 x 5/8 x 3-1/4			
SK 9052 VF																							
- RV 30 - 145 TC	13.78	0.20	0.71	3.50	11.42	39.49	1.61	11.42	16.47	19.09	2.80	10.32	6.14	2.56	5.55	20.40	5.30	7.20	11.30	2.875	3.20	5.51	
- RV 40 - 182 TC	11.811	15.75	0.79			42.84			18.24	7.28	3.66		8.03	0.67		23.75	5.90	8.50	12.30				
- 184 TC	or					44.54										25.45	5.90	8.50	14.00				
- 213 TC	15.75	0.20	0.71													27.05	7.40	10.30	15.60	3/4 x 3/4 x 3-1/2			
	13.780	17.72	0.87			46.14																	

Technical design may be subject to change.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, SHAFT MOUNTED, TRIPLE REDUCTION



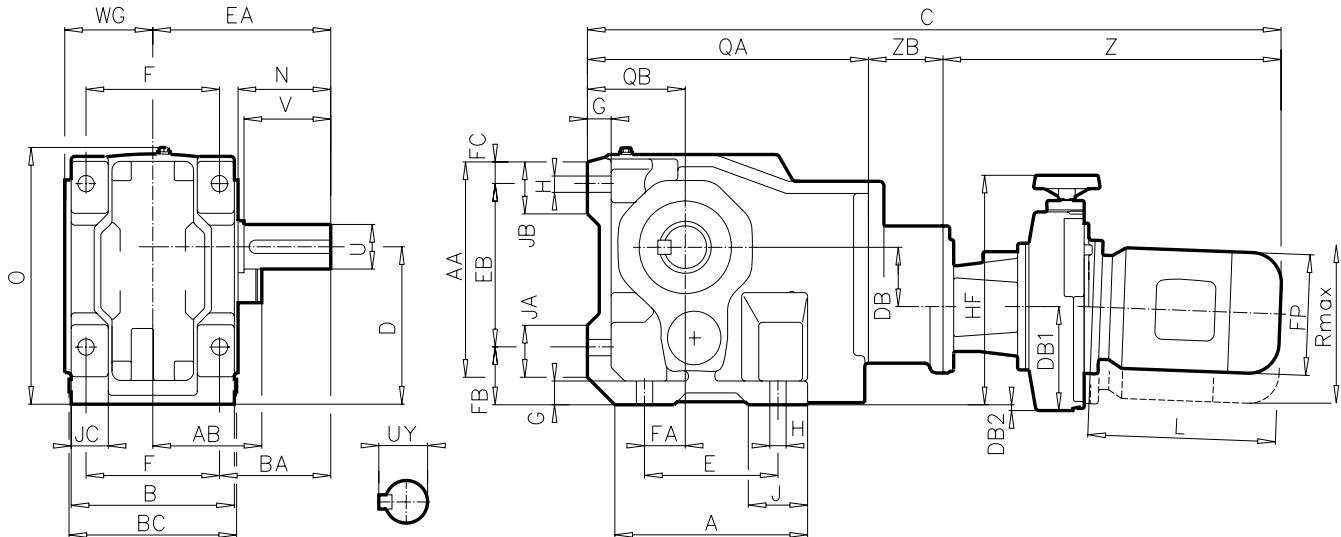
Type	Mounting dimensions			Outline dimensions											Motor			Shaft dimensions		
	AJ AK	AM BB	BD BF	BC	C	DB	HF	QA QB	R _{max}	SA	SA1	SA2	WG	Z	AB	FP	L	ADH DH	LH UH	UYH Key
SK 9012 AZ																				
- RV 10 - 56 C	4.53	0.12	5.51	5.67	25.75	0.39	9.61	9.80	1.38	4.41	3.62	0.39	2.68	15.95	5.30	7.20	9.30	5.83	1.97	1.52
- RV 20 - 56 C	3.740	0.12	7xM8		27.57		10.32	3.23	1.93		4.57	-0.55		17.77	5.30	7.20	9.30	1.97	1.375	
- 143 TC					28.57									18.77	5.30	7.20	10.30			
- RV 30 - 145 TC					30.44		11.78		2.80		6.14	-2.13		20.64	5.30	7.20	11.30	5/16 x 5/16 x 4-1/4		
SK 9022 AZ																				
- RV 10 - 56 C	5.12	0.16	6.30	6.46	27.45	0.55	10.67	11.50	1.38	5.63	3.62	1.46	3.23	15.95	5.30	7.20	9.30	7.09	2.36	1.67
- RV 20 - 56 C	4.331	0.16	7xM8		29.27		11.38	4.02	1.93		4.57	0.51		17.77	5.30	7.20	9.30	2.17	1.500	
- 143 TC					30.27									18.77	5.30	7.20	10.30			
- RV 30 - 145 TC					32.14		12.84		2.80		6.14	-1.06		20.64	5.30	7.20	11.30	3/8 x 3/8 x 5		
SK 9032 AZ																				
- RV 20 - 56 C	6.50	0.20	7.87	7.87	30.64	0.94	12.45	13.11	1.93	7.09	4.57	1.57	3.82	17.53	5.30	7.20	9.30	8.27	2.76	2.22
- 143 TC	5.118	0.12	7xM10		31.64			4.96						18.53	5.30	7.20	10.30	2.76	2.000	
- RV 30 - 145 TC					33.51		13.91		2.80		6.14	0		20.40	5.30	7.20	11.30			
- RV 40 - 184 TC					38.56		15.68		3.66		8.03	-1.89		25.45	5.90	8.50	14.00			
- 213 TC					40.16									27.05	7.40	10.30	15.60	1/2 x 1/2 x 5-1/2		
SK 9042 AZ																				
- RV 30 - 145 TC	8.47	0.20	9.84	9.84	36.19	1.42	14.88	15.79	2.80	8.54	6.14	0.98	4.25	20.40	5.30	7.20	11.30	9.45	3.15	2.55
- RV 40 - 184 TC	7.087	0.28	7xM12		41.24		16.65	6.06	3.66		8.03	-0.91		25.45	5.90	8.50	14.00	3.15	2.375	
- 213 TC					42.84									27.05	7.40	10.30	15.60	5/8 x 7/16 x 6-1/2		
SK 9052 AZ																				
- RV 30 - 145 TC	10.43	0.20	11.81	11.42	39.49	1.61	16.47	19.09	2.80	10.32	6.14	2.56	5.55	20.40	5.30	7.20	11.30	11.81	3.94	3.04
- RV 40 - 184 TC	9.055	0.16	7xM12		44.54		18.24	7.28	3.66		8.03	0.67		25.45	5.90	8.50	14.00	3.94	2.750	
- 213 TC					46.14									27.05	7.40	10.30	15.60	5/8 x 5/8 x 8		

Technical design may be subject to change.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, FOOT MOUNTED, QUADRUPLE REDUCTION



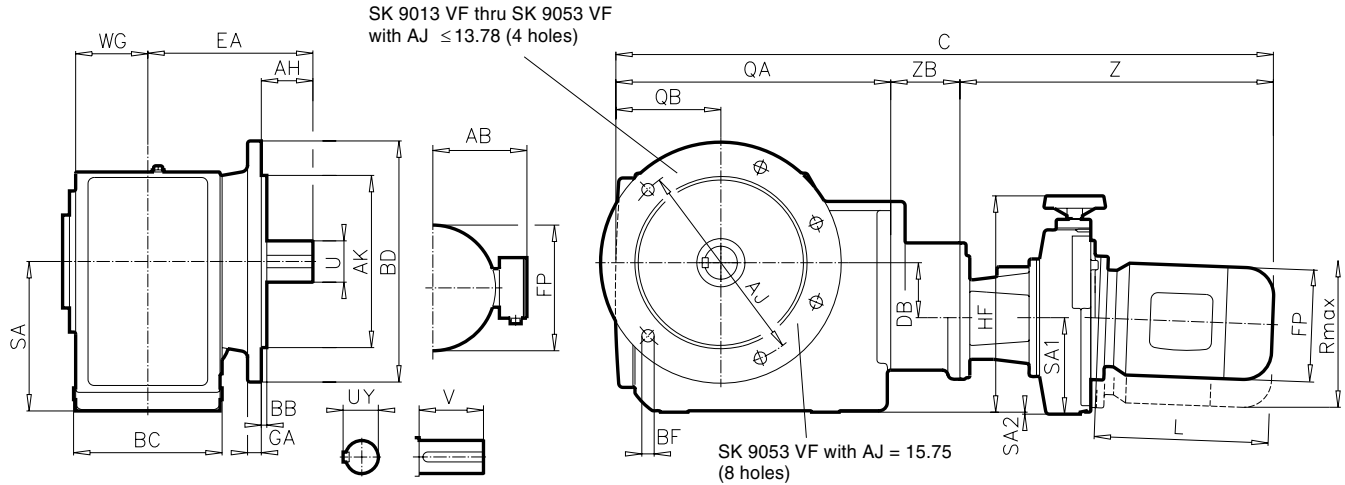
Type	Mounting dimensions					Outline dimensions													Motor			Shaft dimensions		
	A	E	FA	G	JA	BA	C	D	DB1	DB2	EA	HF	N	QA	R _{max}	WG	Z	AB	FP	L	U	UY	V	
	AA	EB	FB	H	JB	BC		DB					O	QB		ZB								
	B	F	FC	J	JC																		Key	
SK 9013 - RV 10 - 56 C	6.77	5.12	1.38	0.63	1.58	2.95	27.60	4.41	3.62	0.79	5.32	8.42	2.52	9.37	1.38	2.80	15.95	5.30	7.20	9.30	1.250	1.36	2.36	
	6.50	5.12	1.46	0.43	1.38	5.59		1.58					7.64	2.80		2.28								
	5.51	4.72	0.59	1.77	1.10																	1/4 x 1/4 x 2		
SK 9023 - RV 10 - 56 C	7.48	4.72	1.18	0.95	1.97	3.58	29.65	5.51	3.62	-0.16	6.34	9.37	2.95	11.42	1.38	3.39	15.95	5.30	7.20	9.30	1.375	1.51	2.76	
	7.40	5.12	1.97	0.55	2.28	6.77		1.73					9.29	3.94		2.28								
	6.54	5.51	1.18	2.36	1.50																	5/16 x 5/16 x 2-1/4		
SK 9033 - RV 10 - 56 C	9.06	5.91	1.57	0.99	2.36	4.47	30.87	7.09	3.62	-0.55	7.72	9.77	3.78	12.56	1.38	3.94	15.95	5.30	7.20	9.30	1.750	1.92	3.54	
	9.57	7.48	2.56	0.71	2.36	7.99		2.91					11.61	4.41		2.36								
	7.68	6.50	0.79	2.76	1.77																	3/8 x 3/8 x 2-3/4		
SK 9043 - RV 20 - 56 C - 143 TC	10.23	7.09	2.17	1.26	2.76	5.91	35.17	8.35	4.57	0.04	9.45	10.83	4.92	14.92	1.93	4.53	17.53	5.30	7.20	9.30	2.375	2.65	4.72	
	11.42	8.66	3.03	0.87	2.76	9.84	36.17	3.82					13.66	5.20		2.72	18.53	5.30	7.20	10.30				
	8.66	7.09	1.18	3.15	1.97		38.04		6.14	1.61		12.29			2.80		20.40	5.30	7.20	11.30			5/8 x 5/8 x 3-1/4	
SK 9053 - RV 20 - 56 C - 143 TC - RV 30 - 145 TC - RV 40 - 184 TC	12.99	9.45	2.95	1.50	3.94	6.73	38.36	10.43	4.57	1.26	11.46	12.12	5.75	18.11	1.93	5.71	17.53	5.30	7.20	9.30	2.875	3.20	5.51	
	14.17	11.02	3.35	1.02	3.54	11.53	39.36	4.61					16.73	6.30		2.72	18.53	5.30	7.20	10.30				
	11.22	9.45	1.38	3.94	2.76		41.23		6.14	0.31		13.58			2.80		20.40	5.30	7.20	11.30				
							46.28		8.03	2.20		15.35			3.66		25.45	5.90	8.50	14.00			3/4 x 3/4 x 3-1/2	

Technical design may be subject to change.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, FLANGE MOUNTED, QUADRUPLE REDUCTION



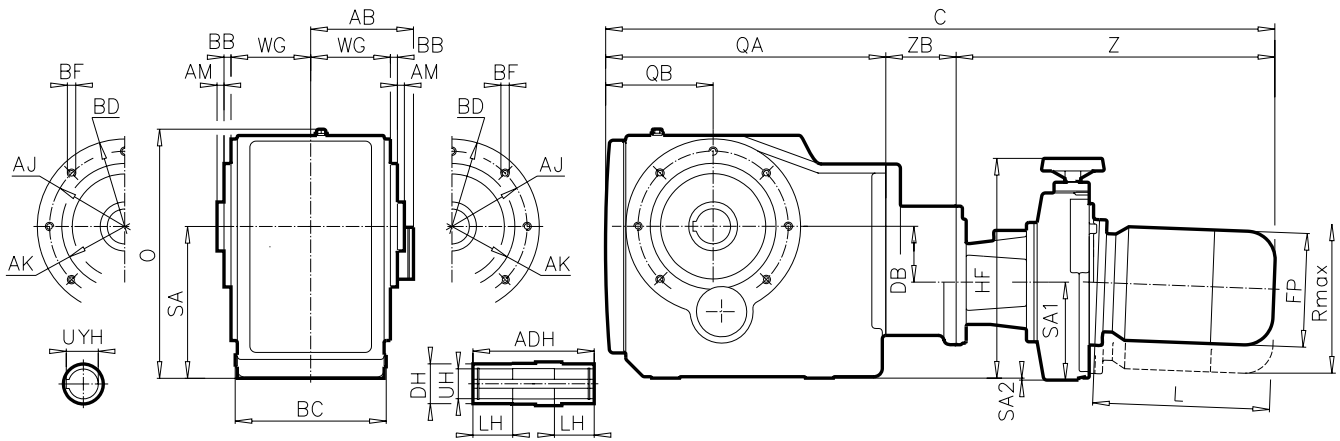
Type	Mounting dimensions			Outline dimensions														Motor			Shaft dimensions		
	AJ AK	BB BD	BF GA	AH	BC	C	DB	EA	HF	QA QB	R _{max}	SA	SA1	SA2	WG ZB	Z	AB	FP	L	U	UY	V	
	Key																						
SK 9013 VF - RV 10 - 56 C	6.50 5.118	0.14 7.87	0.43 0.47	0.87	5.67	28.03	1.58	5.32	8.42	9.80 3.23	1.38	4.41	3.62	0.79	2.68 2.28	15.95	5.30	7.20	9.30	1.250	1.36	2.36	
1/4 x 1/4 x 1-5/8																							
SK 9023 VF - RV 10 - 56 C	8.47 0.87	0.16 9.84	0.55 0.63	1.06	6.46	29.73	1.73	6.34	8.49	11.50 4.02	1.38	5.63	3.62	-0.28	3.23 2.28	15.95	5.30	7.20	9.30	1.375	1.51	2.76	
5/16 x 5/16 x 2-1/8																							
SK 9033 VF - RV 10 - 56 C	8.47 7.087 or 10.43 9.055	0.16 9.84 0.16 11.81	0.55 0.63 0.55 0.79	1.81	7.87	31.42	2.91	7.72	9.77	13.11 4.96	1.38	7.09	3.62	-0.55	3.82 2.36	15.95	5.30	7.20	9.30	1.750	1.92	3.54	
3/8 x 3/8 x 2-1/2																							
SK 9043 VF - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	11.81 9.843	0.20 13.78	0.71 0.79	2.95	9.84	36.04 37.04 38.91	3.82	9.45	11.02	15.79 6.06	1.93	8.54	4.57	-0.15	4.25 2.72	17.53 18.53	5.30	7.20	9.30 10.30	2.375	2.65	4.72	
5/8 x 5/8 x 3-1/4																							
SK 9053 VF - RV 20 - 56 C - 143 TC - RV 30 - 145 TC - RV 40 - 184 TC	13.78 11.811 or 15.75 13.780	0.20 15.75	0.71 0.79	3.50	11.42	39.34 40.34 42.21 47.26	4.61	11.42	12.01	19.09 7.28	1.93	10.32	4.57	-1.14	5.55 2.72	17.53 18.53	5.30	7.20	9.30 10.30	2.875	3.20	5.51	
3/4 x 3/4 x 3-1/2																							

Technical design may be subject to change.

VARIABLE SPEED HELICAL-BEVEL GEARED MOTORS



WITH FRICTION DRIVE, SHAFT MOUNTED, QUADRUPLE REDUCTION



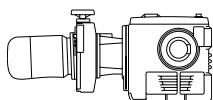
Type	Mounting dimensions			Outline dimensions												Motor			Shaft dimensions		
	AJ AK	AM BB	BD BF	BC	C	DB	HF	QA QB	R _{max}	SA	SA1	SA2	WG ZB	Z	AB	FP	L	ADH DH	LH UH	UYH Key	
SK 9013 AZ - RV 10 - 56 C	4.53 3.740	0.12 0.12	5.51 7xM8	5.67	28.03	1.58	8.42	9.80 3.23	1.38	4.41	3.62	0.79	2.68 2.28	15.95	5.30	7.20	9.30	5.83 1.97 1.375	1.97 1.375	1.52 5/16 x 5/16 x 4-1/4	
SK 9023 AZ - RV 10 - 56 C	5.12 4.331	0.16 0.16	6.30 7xM8	6.46	27.73	1.73	8.49	11.50 4.02	1.38	5.63	3.62	-0.28	3.23 2.28	15.95	5.30	7.20	9.30	7.09 2.17 1.500	2.36 1.500	1.67 3/8 x 3/8 x 5	
SK 9033 AZ - RV 10 - 56 C	6.50 5.118	0.20 0.12	7.87 7xM10	7.87	31.42	2.91	9.77	13.11 4.96	1.38	7.09	3.62	-0.55	3.82 2.36	15.95	5.30	7.20	9.30	8.27 2.76 2.000	2.76 2.000	2.22 1/2 x 1/2 x 5-1/2	
SK 9043 AZ - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	8.47 7.087	0.20 0.28	9.84 7xM12	9.84	36.04 37.04	3.82	11.02	15.79 6.06	1.93	8.54	4.57	-0.15	4.25 2.72	17.53 18.53	5.30 5.30	7.20 7.20	9.30 10.30	9.45 3.15 2.375	3.15 2.375	2.55 5/8 x 7/16 x 6-1/2	
SK 9053 AZ - RV 20 - 56 C - 143 TC - RV 30 - 145 TC - RV 40 - 184 TC	10.43 9.055	0.20 0.16	11.81 7xM12	11.42	39.34 40.34	4.61	12.01	19.09 7.28	1.93	10.32	4.57	-1.14	5.55 2.72	17.53 18.53	5.30 5.30	7.20 7.20	9.30 10.30	11.81 3.94 2.750	3.94 2.750	3.04 5/8 x 5/8 x 8	

Technical design may be subject to change.

NOTES

VARIABLE SPEED WORM GEAR UNITS

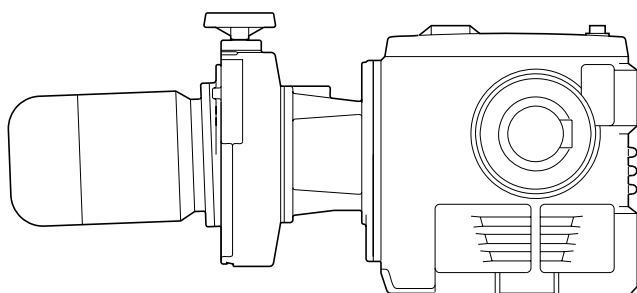




VARIABLE SPEED WORM GEAR UNITS

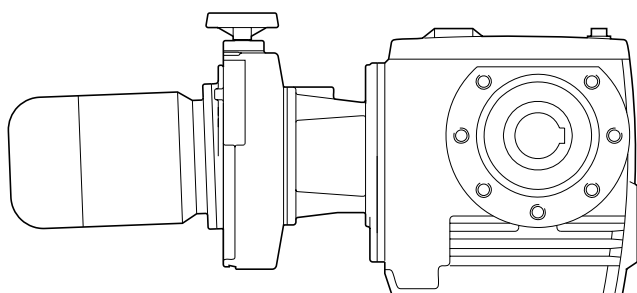
WITH FRICTION DRIVE UNIT NOMENCLATURE

GEAR TYPE	VARIABLE SPEED TYPE		
FOOT MOUNTED , SOLID SHAFT			
SK 02040 - SK 42125 =	Worm Gearboxes, double reduction	RV 10 RV 20 RV 30 RV 40	Friction Drive Units
SK 13050 - SK 43125 =	Worm Gearboxes, triple reduction		
FLANGE MOUNTED , SOLID SHAFT, FLANGE B5			
SK 02040 F - SK 42125 F =	Worm Gearboxes, double reduction	RV 10 B RV 20 B RV 30 B RV 40 B	Friction Drive Units, corrosin resistant
SK 13050 F - SK 43125 F =	Worm Gearboxes, triple reduction		
SHAFT MOUNTED , HOLLOW SHAFT			
SK 02040 A - SK 42125 A =	Worm Gearboxes, double reduction		
SK 13050 A - SK 43125 A =	Worm Gearboxes, triple reduction		
WORM GEAR UNITS - OPTIONS			
see catalog 1000			



FOOT MOUNTED, WITH SOLID SHAFT

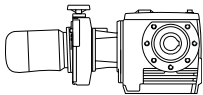
Variable speed worm gear motor with friction drive variable speed



SHAFT MOUNTED, WITH HOLLOW SHAFT

Variable speed worm gear motor with friction drive variable speed

VARIABLE SPEED WORM GEAR UNITS

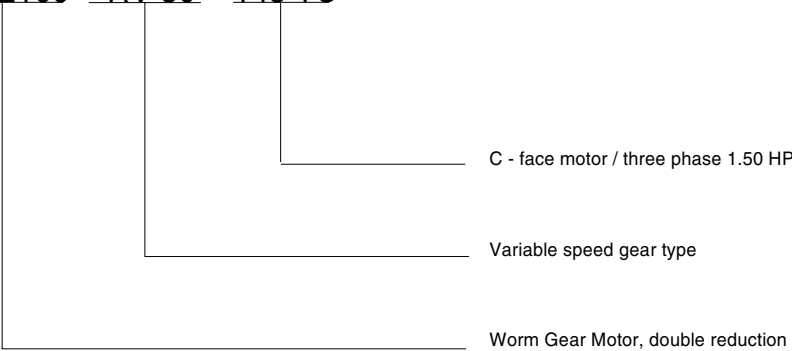


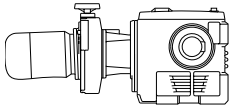
WITH FRICTION DRIVE UNIT
NOMENCLATURE

SPEED CONTROLS		MOTOR	MOTOR OPTIONS	
EMFST = Electromechanical remote control		C - face 0.25 - 7.50 HP 56 C - 213 TC	Washdown Duty	115 / 230 V
			Energy Efficient	230 / 460 V
			SPEED INDICATORS	
			Single Phase	575 V
			Stainless Steel	50 or 60 Hz
FAA = EMFST with remote speed indicator, analog				
FAD = EMFST with remote speed indicator, digital				

EXAMPLE FOR ORDERING:

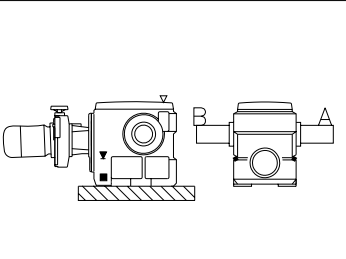
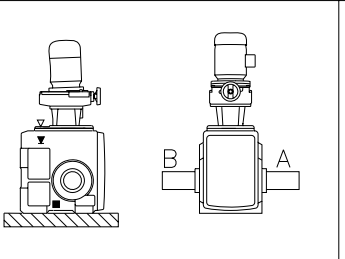
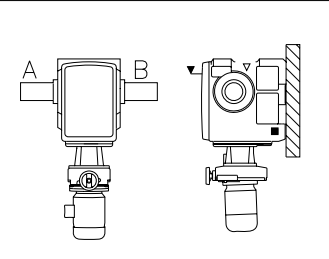
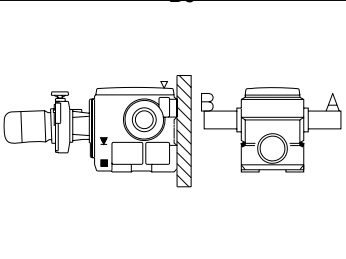
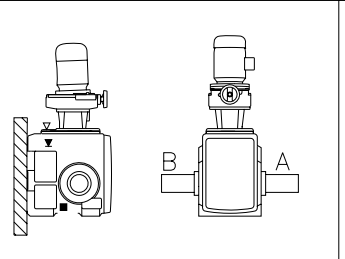
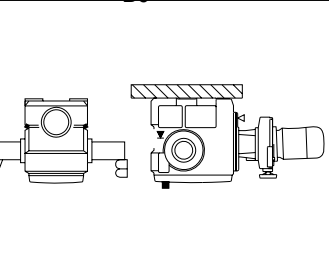
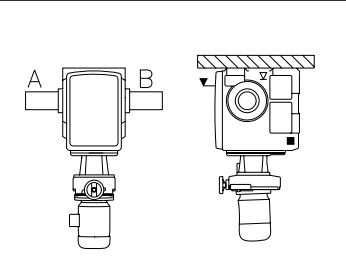
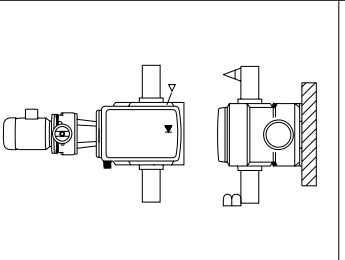
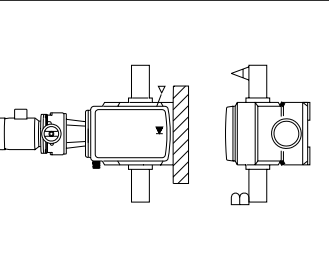
SK 32100 - RV 30 - 145 TC

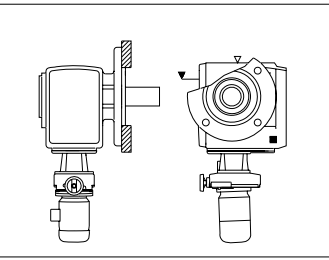
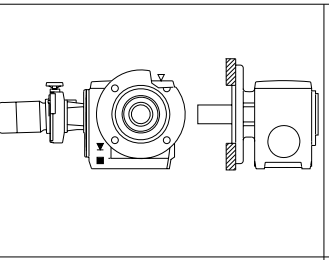
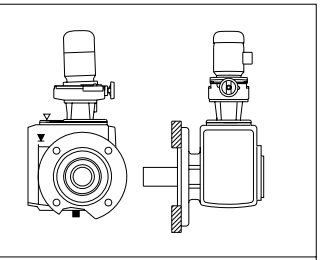
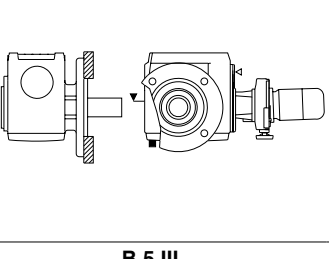
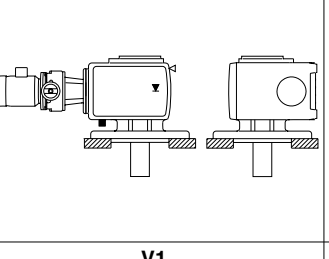
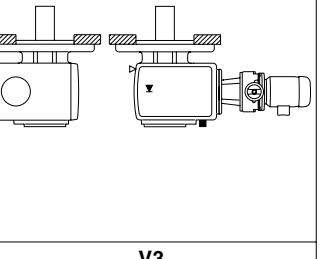




VARIABLE SPEED WORM GEAR UNITS

MOUNTING POSITION

FOOT MOUNTED		
		
B3	B3 I	B6
		
B6 I	B6 II	B8
		
B8 I	V5	V5 I

FLANGE MOUNTED		
		
B5	B5 I	B5 II
		
B 5 III	V1	V3

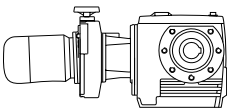
Symbols:  Vent plug

 Drain plug

 Oil level

 Mounting surface

VARIABLE SPEED WORM GEAR UNITS



MOUNTING POSITION

SHAFT MOUNTED

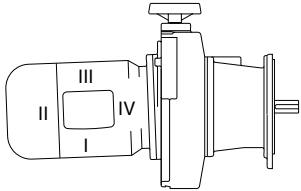
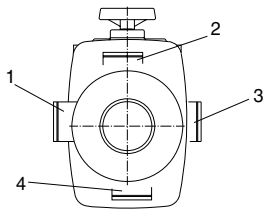
H1	H2
H3	H4
H5	H6

POSITION OF TERMINAL BOX AND
CABLE ENTRY

Please specify position of terminal box and
cable entry.

Normal design:

Terminal box at 3, cable entry at I or III only.



Symbols:

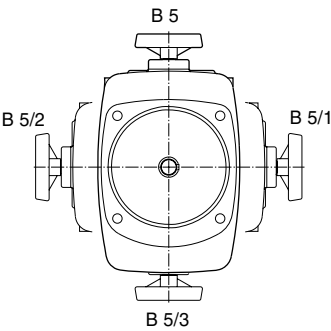
▽ Vent plug

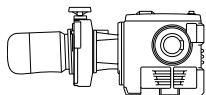
■ Drain plug

▼ Oil level

//// Mounting
surface

In all mounting positions the variable speed drive may be
mounted at an angle of 90° or 180°.
(affix: ./1 = right, ./2 = left, ./3 = below)





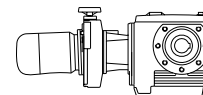
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	1.0	0.1	6310	2.2	2200.07	SK 33100 - RV 10 - 56C	0.7
	1.3	0.2	4797	2.9	1671.69		
	1.5	0.2	4319	3.2	1507.71		1:7
	1.9	0.3	3443	4.1	1175.19		
	3.3	0.5	1938	7.1	660.60		190
	4.2	0.6	1558	8.8	519.31		
	4.7	0.7	1398	9.7	468.37		
	6.0	0.9	1097	12.2	365.07		
	7.3	1.0	912	14.6	299.28		
	8.5	1.2	1080	11.1	257.63		
	1.1	0.2	5903	1.2	2058.82	SK 13080 - RV 10 - 56C	0.7
	1.8	0.3	3434	2.0	1198.81		
	2.3	0.3	2744	2.5	956.44		1:7
	2.7	0.4	2310	2.9	805.28		
	3.1	0.4	2027	3.3	706.25		126
	3.5	0.5	1805	3.7	630.68		
	4.0	0.6	1593	4.2	542.07		
	4.5	0.6	1416	4.2	482.13		
	5.4	0.8	1673	3.7	403.20		
	6.4	0.9	1407	4.2	339.48		
	7.3	1.0	1230	4.2	297.73		
	8.2	1.2	1097	4.2	265.87		
	4.2	0.6	1522	4.4	520.20	SK 12080 - RV 10 - 56C	0.7
	9.3	1.3	703	9.2	234.60		
	11.7	1.7	573	11.1	187.17		1:7
	13.9	2.0	492	12.8	157.59		
	16	2.3	432	14.4	138.21		115
	2.3	0.3	2690	1.2	938.20	SK 13063 - RV 10 - 56C	0.7
	3.0	0.4	2115	1.6	737.53		
	3.6	0.5	1770	1.9	604.62		1:7
	4.1	0.6	1558	2.1	531.64		
	4.6	0.7	1381	2.4	471.70		104
	4.7	0.7	1363	2.4	464.61	SK 12063 - RV 10 - 56C	0.7
	5.3	0.8	1212	2.7	413.10		
	11.2	1.6	812	3.5	195.86		1:7
	11.9	1.7	550	5.8	183.60		
	13.5	1.9	496	6.3	162.18		93
	15.0	2.2	442	7.1	144.33		
	18	2.6	369	8.3	118.32		
	21	3.0	325	9.3	104.04		
	24	3.4	294	10.2	92.31		
	28	4.0	326	8.3	77.40		
	32	4.6	288	9.4	68.37		
	36	5.1	260	10.3	60.85		
	44	6.3	213	12.3	49.88		
	50	7.1	190	13.6	43.86		
	5.7	0.8	1151	1.4	385.56	SK 02050 - RV 10 - 56C	0.7
	6.4	0.9	1027	1.5	341.70		
	12.9	1.8	715	2.2	170.10		1:7
	14.8	2.1	452	3.3	147.90		
	17	2.4	397	3.8	130.05		84
	19	2.7	358	4.1	114.75		
	24	3.4	289	5.0	92.82		
	27	3.9	257	5.6	80.58		
	34	4.8	279	5.4	65.25		
	38	5.4	245	6.1	57.38		

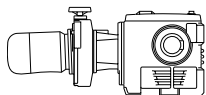
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.25	43	6.2	216	6.9	50.63	SK 02050 - RV 10 - 56C	0.7
	53	7.6	177	8.2	40.95		
	62	8.8	154	9.4	35.55		1:7
	71	10.1	154	8.6	30.94		
	80	11.5	135	9.7	27.21		84
	91	13.0	119	10.9	24.01		
	19	2.7	352	2.3	115.05	SK 02040 - RV 10 - 56C	0.7
	22	3.1	304	2.7	99.45		
	25	3.6	266	3.0	86.97		1:7
	29	4.1	239	3.3	76.44		
	32	4.6	211	3.7	67.47		68
	42	6.0	165	4.7	51.87		
	47	6.7	229	3.9	46.79		
	49	7.0	142	5.3	44.85		
	52	7.4	180	4.4	42.08		
	59	8.5	158	5.0	36.80		
	68	9.6	138	5.6	32.34		
	77	10.9	124	6.2	28.55		
	100	14.2	94.7	7.9	21.95		
	112	16	97.4	8.9	19.56		
	128	18	85.0	10.1	17.10		
	146	21	74.3	11.3	15.03		
	165	24	66.4	12.5	13.27		
	215	31	51.3	15.9	10.20		
	248	35	44.3	18.0	8.82		
0.33	291	42	39.8	12.7	7.51	SK - RV 10 F - 56C	0.7
	330	47	35.4	14.0	6.63		1:7
	430	61	27.4	17.4	5.09		49
	497	71	23.9	19.6	4.40		
	2188	312	6.4	No Gearbox			
	1.0	0.1	8496	1.7	2200.07	SK 33100 - RV 10 - 56C	0.8
	1.3	0.2	6461	2.2	1671.69		
	1.5	0.2	5823	2.4	1507.71		1:7
	1.9	0.3	4637	3.0	1175.19		
	3.3	0.5	2611	5.3	660.60		192
	4.2	0.6	2097	6.5	519.31		
	4.7	0.7	1894	7.2	468.37		
	6.0	0.9	1469	9.1	365.07		
	7.3	1.0	1230	10.8	299.28		
	8.5	1.2	1460	8.2	257.63		
	12.0	1.7	1053	11.2	182.66		
	1.8	0.3	4629	1.5	1198.81	SK 13080 - RV 10 - 56C	0.8
	2.3	0.3	3690	1.8	956.44		
	2.7	0.4	3115	2.2	805.28		1:7
	3.1	0.4	2726	2.5	706.25		
	3.5	0.5	2434	2.8	630.68		128
	4.0	0.6	2142	3.1	542.07		
	4.2	0.6	2053	3.3	520.20	SK 12080 - RV 10 - 56C	0.8
	9.3	1.3	947	6.8	234.60		
	11.7	1.7	771	8.2	187.17		1:7
	13.9	2.0	663	9.5	157.59		
	16	2.3	581	10.7	138.21		117
	18	2.5	530	11.6	123.42		
	21	2.9	455	13.3	106.08		
	23	3.3	413	14.4	94.35		



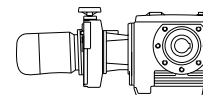
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.33	28	4.0	454	12.6	78.91	SK 12080 - RV 10 - 56C	0.8
	33	4.7	388	14.6	66.44		1:7
	38	5.4	340	16.4	58.27		117
	42	6.0	308	16.9	52.03		
	3.6	0.5	2390	1.4	604.62	SK 13063 - RV 10 - 56C	0.8
	4.1	0.6	2097	1.6	531.64		1:7
	4.6	0.7	1859	1.8	471.70		106
	4.7	0.7	1832	1.8	464.61	SK 12063 - RV 10 - 56C	0.8
	5.3	0.8	1628	2.0	413.10		
	11.2	1.6	1089	2.6	195.86		1:7
	11.9	1.7	741	4.3	183.60		
	13.5	1.9	668	4.7	162.18		95
	15.0	2.2	595	5.3	144.33		
	18	2.6	497	6.2	118.32		
	21	3.0	438	6.9	104.04		
	24	3.4	396	7.6	92.31		
	28	4.0	439	6.2	77.40		
	32	4.6	388	6.9	68.37		
	36	5.1	350	7.6	60.85		
	44	6.3	287	9.2	49.88		
	50	7.1	256	10.1	43.86		
	56	8.0	227	11.3	38.92		
	63	8.9	227	10.2	34.89		
	76	10.9	189	12.1	28.61		
	87	12.4	166	13.6	25.15		
	98	14.0	150	14.9	22.32		
	10.5	1.5	1186	1.3	209.25	SK 13050 - RV 10 - 56C	0.8
	12.0	1.7	1027	1.5	181.66		1:7 97
	12.9	1.8	965	1.6	170.10	SK 02050 - RV 10 - 56C	0.8
	14.8	2.1	610	2.5	147.90		
	17	2.4	536	2.8	130.05		1:7
	19	2.7	482	3.1	114.75		
	24	3.4	390	3.7	92.82		86
	27	3.9	346	4.2	80.58		
	34	4.8	375	4.0	65.25		
	38	5.4	330	4.5	57.38		
	43	6.2	291	5.1	50.63		
	53	7.6	239	6.1	40.95		
	62	8.8	207	7.0	35.55		
	71	10.1	207	6.4	30.94		
	80	11.5	182	7.2	27.21		
	91	13.0	161	8.1	24.01		
	113	16	132	9.7	19.42		
	130	19	114	11.0	16.86		
	149	21	100	12.4	14.72		
	19	2.7	474	1.7	115.05	SK 02040 - RV 10 - 56C	0.8
	22	3.1	410	2.0	99.45		
	25	3.6	358	2.2	86.97		1:7
	29	4.1	321	2.5	76.44		
	32	4.6	284	2.8	67.47		70
	42	6.0	223	3.5	51.87		
	47	6.7	309	2.9	46.79		
	49	7.0	193	3.9	44.85		
	52	7.4	242	3.3	42.08		

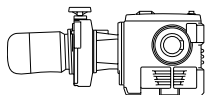
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.33	59	8.5	212	3.7	36.80	SK 02040 - RV 10 - 56C	0.8
	68	9.6	186	4.2	32.34		
	77	10.9	166	4.6	28.55		1:7
	100	14.2	128	5.9	21.95		
	112	16	131	6.6	19.56		70
	128	18	114	7.5	17.10		
	146	21	101	8.3	15.03		
	165	24	88.5	9.4	13.27		
	215	31	69.0	11.8	10.20		
	248	35	60.2	13.2	8.82		
	291	42	54.0	9.3	7.51		
	330	47	47.8	10.4	6.63		
	430	61	36.3	13.2	5.09		
	497	71	31.9	14.7	4.40		
	2188	312	8.6	No Gearbox			0.8 1:7 51
0.50	1.3	0.2	9788	1.4	1671.69	SK 33100 - RV 10 - 56C	1.1
	1.5	0.2	8823	1.6	1507.71		
	1.9	0.3	7036	2.0	1175.19		1:7
	3.3	0.5	3956	3.5	660.60		
	4.2	0.6	3177	4.3	519.31		192
	4.7	0.7	2867	4.7	468.37		
	6.0	0.9	2230	6.0	365.07		
	7.3	1.0	1867	7.1	299.28		
	8.5	1.2	2213	5.4	257.63	SK 13080 - RV 10 - 56C	1.1
	12.0	1.7	1593	7.4	182.66		1:7
	15.0	2.2	1239	9.3	142.38		
	2.7	0.4	4717	1.4	805.28		128
	3.1	0.4	4133	1.6	706.25	SK 12080 - RV 10 - 56C	
	3.5	0.5	3690	1.8	630.68		
	4.0	0.6	3248	2.0	542.07		
	4.2	0.6	3115	2.1	520.20		1.1
	9.3	1.3	1434	4.5	234.60		
	11.7	1.7	1168	5.4	187.17		1:7
	13.9	2.0	1009	6.2	157.59		
	16	2.3	881	7.0	138.21		117
	18	2.5	803	7.6	123.42		
	21	2.9	690	8.7	106.08		
	23	3.3	626	9.5	94.35		
	28	4.0	688	8.3	78.91		
	33	4.7	588	9.6	66.44		
	38	5.4	515	10.8	58.27		
	42	6.0	467	11.2	52.03	SK 13063 - RV 10 - 56C	1.1
	49	7.0	402	11.6	44.72		1:7
	8.6	1.2	2124	1.3	254.89		106
	9.8	1.4	1894	1.5	224.12	SK 12063 - RV 10 - 56C	
	11.0	1.6	1682	1.7	198.86		
	11.2	1.6	1655	1.7	195.86		1.1
	11.9	1.7	1124	2.8	183.60		
	13.5	1.9	1009	3.1	162.18		1:7
	15.0	2.2	903	3.5	144.33		
	18	2.6	754	4.1	118.32		95
	21	3.0	663	4.6	104.04		



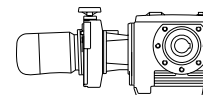
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.50	24	3.4	600	5.0	92.31	SK 12063 - RV 10 - 56C	1.1
	28	4.0	665	4.1	77.40		
	32	4.6	587	4.6	68.37		1:7
	36	5.1	530	5.0	60.85		
	44	6.3	435	6.0	49.88		106
	50	7.1	388	6.7	43.86		
	56	8.0	344	7.5	38.92		
	63	8.9	345	6.7	34.89		
	76	10.9	287	8.0	28.61		
	87	12.4	252	8.9	25.15		
	98	14.0	227	9.8	22.32		
	14.8	2.1	920	1.6	147.90	SK 02050 - RV 10 - 56C	1.1
	17	2.4	812	1.8	130.05		
	19	2.7	732	2.0	114.75		1:7
	24	3.4	592	2.5	92.82		
	27	3.9	524	2.8	80.58		86
	34	4.8	569	2.6	65.25		
	38	5.4	500	3.0	57.38		
	43	6.2	442	3.4	50.63		
	53	7.6	362	4.0	40.95		
	62	8.8	314	4.6	35.55		
	71	10.1	314	4.2	30.94		
	80	11.5	276	4.7	27.21		
	91	13.0	243	5.3	24.01		
	113	16	200	6.4	19.42		
	130	19	173	7.2	16.86		
	149	21	151	8.2	14.72		
	32	4.6	430	1.8	67.47	SK 02040 - RV 10 - 56C	1.1
	42	6.0	337	2.3	51.87		
	47	6.7	469	1.9	46.79		1:7
	49	7.0	292	2.6	44.85		
	52	7.4	366	2.2	42.08		70
	59	8.5	320	2.5	36.80		
	68	9.6	282	2.8	32.34		
	77	10.9	252	3.1	28.55		
	100	14.2	194	3.9	21.95		
	112	16	198	4.4	19.56		
	128	18	173	4.9	17.10		
	146	21	152	5.5	15.03		
	165	24	135	6.2	13.27		
	215	31	104	7.8	10.20		
	248	35	90.3	8.8	8.82		
	291	42	82.3	6.1	7.51		
	330	47	72.6	6.8	6.63		
	430	61	55.8	8.6	5.09		
	497	71	48.7	9.6	4.40		
	2188	312	13.0	No Gearbox		SK - RV 10 F - 56C	1.1 1:7 51
0.75	1.1	0.2	18904	1.4	2056.63	SK 43125 - RV 20 - 56 C	1.6
	1.2	0.2	17098	1.6	1860.07		
	1.3	0.2	15072	1.8	1639.55		1:7
	1.5	0.2	13576	2.0	1476.55		
	1.8	0.3	11018	2.5	1198.50		335
	2.4	0.3	8717	3.1	928.25		
	2.8	0.4	7461	3.6	794.58		
	3.2	0.5	8903	2.2	689.67		
	3.6	0.5	7850	2.3	607.91		

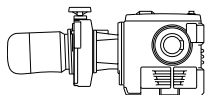
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	4.0	0.6	7071	3.2	547.47	SK 43125 - RV 20 - 56 C	1.6
	4.9	0.7	5735	3.9	444.38		
	5.8	0.8	4912	4.4	380.39		1:7
	6.8	1.0	4177	4.5	323.51		
	8.1	1.2	3531	5.6	269.76		335
	9.2	1.3	3098	6.4	236.58		
	11.7	1.7	2460	9.3	187.80		
	3.4	0.5	5806	2.4	645.00	SK 32100 - RV 20 - 56 C	1.6
	4.3	0.6	4691	2.9	510.00		
	5.3	0.8	3770	3.6	410.00		1:7
	9.1	1.3	2319	5.7	241.50		
	11.9	1.7	1797	7.1	183.50		209
	13.2	1.9	1620	7.4	165.50		
	17	2.4	1283	8.0	129.00		
	23	3.3	1274	6.4	94.19		
	31	4.4	982	7.2	71.57		
	34	4.8	884	7.4	64.55		
	4.2	0.6	4682	1.4	520.20	SK 12080 - RV 10 - 56C	1.6
	9.3	1.3	2159	3.0	234.60		
	11.7	1.7	1761	3.6	187.17		1:7
	13.9	2.0	1513	4.1	157.59		
	16	2.3	1328	4.7	138.21		126
	18	2.5	1204	5.1	123.42		
	21	2.9	1035	5.8	106.08		
	23	3.3	938	6.3	94.35		
	28	4.0	1035	5.5	78.91		
	33	4.7	883	6.4	66.44		
	38	5.4	775	7.2	58.27		
	42	6.0	702	7.4	52.03		
	49	7.0	604	7.7	44.72		
	58	8.2	578	6.5	37.91		
	69	9.8	487	6.9	31.92		
	78	11.1	433	7.2	27.99		
	88	12.5	386	7.4	25.00		
	102	14.5	336	7.7	21.49		
	114	16	299	8.0	19.11		
	11.9	1.7	1690	1.9	183.60	SK 12063 - RV 10 - 56C	1.6
	13.5	1.9	1522	2.1	162.18		
	15.0	2.2	1354	2.3	144.33		1:7
	18	2.6	1133	2.7	118.32		
	21	3.0	1000	3.0	104.04		104
	24	3.4	903	3.3	92.31		
	28	4.0	1000	2.7	77.40		
	32	4.6	882	3.0	68.37		
	36	5.1	797	3.4	60.85		
	44	6.3	654	4.0	49.88		
	50	7.1	583	4.4	43.86		
	56	8.0	518	5.0	38.92		
	63	8.9	519	4.5	34.89		
	76	10.9	431	5.3	28.61		
	87	12.4	379	6.0	25.15		
	98	14.0	341	6.5	22.32		
	115	16	289	7.6	18.99		
	141	20	256	6.5	15.57		
	171	24	210	6.9	12.76		
	195	28	184	7.2	11.22		



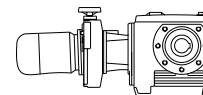
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
0.75	220	31	165	7.4	9.96	SK 12063 - RV 10 - 56C	1.6
	258	37	141	7.7	8.47		1:7
	294	42	124	7.9	7.43		104
	34	4.8	855	1.8	65.25	SK 02050 - RV 10 - 56C	1.6
	38	5.4	752	2.0	57.38		
	43	6.2	664	2.2	50.63		1:7
	53	7.6	544	2.7	40.95		
	62	8.8	473	3.1	35.55		95
	71	10.1	472	2.8	30.94		
	80	11.5	415	3.2	27.21		
	91	13.0	366	3.6	24.01		
	113	16	300	4.2	19.42		
	130	19	260	4.8	16.86		
	149	21	227	5.4	14.72		
	166	24	217	4.3	13.18		
	188	27	191	4.9	11.63		
	233	33	155	5.9	9.41		
	268	38	135	6.4	8.17		
	307	44	119	6.7	7.13		
	59	8.5	482	1.6	36.80	SK 02040 - RV 10 - 56C	1.6
	68	9.6	424	1.8	32.34		
	77	10.9	380	2.0	28.55		1:7
	100	14.2	292	2.6	21.95		
	112	16	298	2.9	19.56		79
	128	18	261	3.3	17.10		
	146	21	229	3.7	15.03		
	165	24	203	4.1	13.27		
	215	31	158	5.2	10.20		
	248	35	136	5.8	8.82		
	291	42	123	4.1	7.51		
	330	47	109	4.6	6.63		
	430	61	83.2	5.7	5.09		
	497	71	73.5	6.4	4.40		
	2188	312	19.6	No Gearbox		SK - RV 10 F - 56C	1.6 1:7 60
1.00	1.3	0.2	20116	1.4	1639.55	SK 43125 - RV 20 - 56C	2.1
	1.5	0.2	18116	1.5	1476.55		
	1.8	0.3	14709	1.8	1198.50		1:7
	2.4	0.3	11629	2.3	928.25		
	2.8	0.4	9956	2.7	794.58		335
	3.2	0.5	11886	1.6	689.67		
	3.6	0.5	10478	1.8	607.91		
	4.0	0.6	9434	2.4	547.47		
	4.9	0.7	7655	2.9	444.38		
	5.8	0.8	6558	3.3	380.39		
	6.8	1.0	5576	3.4	323.51		
	8.1	1.2	4717	4.2	269.76		
	9.2	1.3	4142	4.8	236.58		
	11.7	1.7	3283	7.0	187.80		
	3.4	0.5	7744	1.8	645.00	SK 32100 - RV 20 - 56C	2.1
	4.3	0.6	6257	2.2	510.00		
	5.3	0.8	5027	2.7	410.00		1:7
	9.1	1.3	3089	4.2	241.50		
	11.9	1.7	2398	5.4	183.50		209
	13.2	1.9	2159	5.6	165.50		

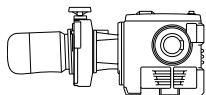
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	17	2.4	1717	6.0	129.00	SK 32100 - RV 20 - 56C	2.1
	23	3.3	1699	4.8	94.19		1:7
	31	4.4	1310	5.4	71.57		209
	34	4.8	1177	5.6	64.55		
	9.3	1.3	2876	2.2	234.60	SK 12080 - RV 20 - 56C	2.1
	11.7	1.7	2345	2.7	187.17		
	13.9	2.0	2018	3.1	157.59		1:7
	16	2.3	1770	3.5	138.21		
	18	2.5	1611	3.8	123.42		152
	21	2.9	1381	4.4	106.08		
	23	3.3	1257	4.7	94.35		
	28	4.0	1381	4.1	78.91		
	33	4.7	1177	4.8	66.44		
	38	5.4	1035	5.4	58.27		
	42	6.0	938	5.6	52.03		
	49	7.0	805	5.8	44.72		
	58	8.2	772	4.8	37.91		
	69	9.8	650	5.2	31.92		
	78	11.1	577	5.4	27.99		
	88	12.5	516	5.6	25.00		
	102	14.5	449	5.8	21.49		
	114	16	399	6.0	19.11		
	137	20	355	5.2	15.98		
	156	22	311	5.4	14.01		
	175	25	278	5.6	12.51		
	18	2.6	1513	2.0	118.32	SK 12063 - RV 20 - 56C	2.1
	21	3.0	1328	2.3	104.04		
	24	3.4	1204	2.5	92.31		1:7
	28	4.0	1336	2.0	77.40		
	32	4.6	1177	2.3	68.37		130
	36	5.1	1062	2.5	60.85		
	44	6.3	873	3.0	49.88		
	50	7.1	779	3.3	43.86		
	56	8.0	691	3.7	38.92		
	63	8.9	692	3.4	34.89		
	76	10.9	575	4.0	28.61		
	87	12.4	505	4.5	25.15		
	98	14.0	455	4.9	22.32		
	115	16	387	5.7	18.99		
	141	20	342	4.8	15.57		
	171	24	280	5.2	12.76		
	195	28	246	5.4	11.22		
	220	31	221	5.6	9.96		
	258	37	188	5.8	8.47		
	294	42	165	6.0	7.43		
	43	6.2	885	1.7	50.63	SK 02050 - RV 20 - 56C	2.1
	53	7.6	727	2.0	40.95		
	62	8.8	631	2.3	35.55		1:7
	71	10.1	630	2.1	30.94		
	80	11.5	554	2.4	27.21		121
	91	13.0	489	2.7	24.01		
	113	16	401	3.2	19.42		
	130	19	348	3.6	16.86		
	149	21	304	4.1	14.72		
	166	24	289	3.2	13.18		
	188	27	255	3.6	11.63		
	233	33	206	4.4	9.41		
	268	38	179	4.8	8.17		
	307	44	158	5.0	7.13		



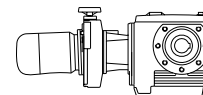
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.00	100	14.2	389	1.9	21.95	SK 02040 - RV 20 - 56C	2.1
	112	16	398	2.2	19.56		
	128	18	348	2.5	17.10		1:7
	146	21	306	2.7	15.03		
	165	24	270	3.1	13.27		105
	215	31	211	3.9	10.20		
	248	35	182	4.4	8.82		
	291	42	165	3.1	7.51		
	330	47	145	3.4	6.63		
	430	61	112	4.3	5.09		
	497	71	97.4	4.8	4.40		
	2188	312	26.1	No Gearbox			2.1 1:7 86
1.50	2.4	0.3	17426	1.5	928.25	SK 43125 - RV 20 - 143TC	3.0
	2.8	0.4	14921	1.8	794.58		
	3.2	0.5	17806	1.1	689.67		1:7
	3.6	0.5	15691	1.2	607.91		
	4.0	0.6	14133	1.6	547.47		340
	4.9	0.7	11470	1.9	444.38		
	5.8	0.8	9824	2.2	380.39		
	6.8	1.0	8354	2.3	323.51		
	8.1	1.2	7071	2.8	269.76		
	9.2	1.3	6204	3.2	236.58		
	11.7	1.7	4921	4.6	187.80		
	5.3	0.8	7540	1.8	410.00	SK 32100 - RV 20 - 143TC	3.0
	9.1	1.3	4629	2.8	241.50		
	11.9	1.7	3593	3.6	183.50		1:7
	13.2	1.9	3239	3.7	165.50		
	17	2.4	2575	4.0	129.00		214
	23	3.3	2540	3.2	94.19		
	31	4.4	1956	3.6	71.57		
	34	4.8	1770	3.7	64.55		
	13.9	2.0	3018	2.1	157.59	SK 12080 - RV 20 - 143TC	157
	16	2.3	2646	2.3	138.21		
	18	2.5	2416	2.5	123.42		
	21	2.9	2071	2.9	106.08		
	23	3.3	1885	3.2	94.35		
	28	4.0	2071	2.8	78.91		
	33	4.7	1770	3.2	66.44		
	38	5.4	1549	3.6	58.27		
	42	6.0	1407	3.7	52.03		
	49	7.0	1204	3.9	44.72		
	58	8.2	1159	3.2	37.91		
	69	9.8	974	3.5	31.92		
	78	11.1	865	3.6	27.99		
	88	12.5	773	3.7	25.00		
	102	14.5	673	3.9	21.49		
	114	16	598	4.0	19.11		
	137	20	531	3.5	15.98		
	156	22	466	3.6	14.01		
	175	25	416	3.7	12.51		
	36	5.1	1593	1.7	60.85	SK 12063 - RV 20 - 143TC	3.0
	44	6.3	1310	2.0	49.88		1:7
	50	7.1	1168	2.2	43.86		135
	56	8.0	1035	2.5	38.92		

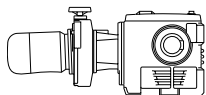
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
1.50	63	8.9	1035	2.2	34.89	SK 12063 - RV 20 - 143TC	3.0
	76	10.9	862	2.6	28.61		1:7
	87	12.4	758	3.0	25.15		135
	98	14.0	681	3.3	22.32		
	115	16	580	3.8	18.99		
	141	20	512	3.2	15.57		
	171	24	419	3.5	12.76		
	195	28	369	3.6	11.22		
	220	31	331	3.7	9.96		
	258	37	281	3.9	8.47		
	294	42	247	4.0	7.43		
	80	11.5	830	1.6	27.21	SK 02050 - RV 20 - 143TC	3.0
	91	13.0	733	1.8	24.01		1:7
	113	16	600	2.1	19.42		126
	130	19	521	2.4	16.86		
	149	21	455	2.7	14.72		
	166	24	433	2.2	13.18		
	188	27	382	2.4	11.63		
	233	33	309	3.0	9.41		
	268	38	268	3.2	8.17		
	307	44	237	3.4	7.13		
	128	18	522	1.6	17.10	SK 02040 - RV 20 - 143TC	3.0
	146	21	458	1.8	15.03		1:7
	165	24	404	2.1	13.27		110
	215	31	315	2.6	10.20		
	248	35	273	2.9	8.82		
	291	42	247	2.0	7.51		
	330	47	218	2.3	6.63		
	430	61	167	2.9	5.09		
	497	71	146	3.2	4.40		
	2188	312	39.1	No Gearbox		SK - RV 20 F - 143TC	3.0 1:7 90
2.00	4.0	0.6	18868	1.2	547.47	SK 43125 - RV 30 - 145TC	379
	4.9	0.7	15311	1.4	444.38		
	5.8	0.8	13107	1.7	380.39		
	6.5	0.9	8815	2.9	337.46	SK 42125 - RV 30 - 145TC	3.4
	10.9	1.5	5478	4.5	201.63		1:7
	12.0	1.7	5045	4.9	182.36		342
	13.6	1.9	4452	5.5	160.74		
	15.0	2.2	4080	5.9	144.76		
	19	2.7	3434	6.8	117.50		
	22	3.1	2991	7.7	100.58		
	25	3.6	3195	6.5	87.30		
	28	4.1	2850	6.9	76.95		
	32	4.5	2567	7.3	69.30		
	39	5.5	2115	8.0	56.25		
	45	6.5	1832	8.5	48.15		
	53	7.6	1584	8.9	40.95		
	62	8.8	1496	6.9	35.33		
	69	9.8	1345	7.3	31.82		
	85	12.1	1106	8.0	25.83		
	99	14.1	956	8.5	22.11		
	116	17	815	8.9	18.80		



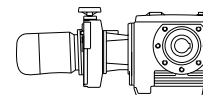
VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				I_N [A]
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
2.00	137	20	715	7.3	15.92	SK 42125 - RV 30 - 145TC	3.4
	169	24	588	8.0	12.93		1:7
	198	28	508	8.5	11.06		342
	233	33	433	8.9	9.41		
	9.1	1.3	6177	2.1	241.50	SK 32100 - RV 30 - 145TC	3.4
	11.9	1.7	4788	2.7	183.50		
	13.2	1.9	4319	2.9	165.50		1:7
	17	2.4	3434	3.6	129.00		
	21	3.0	2876	4.2	104.00		254
	23	3.3	3390	3.4	94.19		
	31	4.4	2620	4.2	71.57		
	34	4.8	2363	4.4	64.55		
	43	6.2	1867	4.8	50.31		
	51	7.3	1743	4.2	42.83		
	57	8.1	1575	4.4	38.63		
	64	9.1	1310	5.2	34.32		
	73	10.4	1239	4.8	30.11		
	90	12.9	1018	5.0	24.27		
	107	15.0	869	5.2	20.54		
	115	16	842	4.2	18.97		
	128	18	759	4.4	17.11		
	164	23	599	4.8	13.34		
	204	29	489	5.0	10.75		
	240	34	413	5.2	9.10		
	21	2.9	2770	2.2	106.08	SK 12080 - RV 30 - 145TC	3.4
	23	3.3	2513	2.4	94.35		
	28	4.0	2761	2.1	78.91		1.7
	33	4.7	2363	2.4	66.44		
	38	5.4	2071	2.7	58.27		196
	42	6.0	1876	2.9	52.03		
	49	7.0	1611	3.4	44.72		
	58	8.2	1540	3.2	37.91		
	69	9.8	1301	3.7	31.92		
	78	11.1	1151	4.0	27.99		
	88	12.5	1035	4.2	25.00		
	102	14.5	894	4.4	21.49		
	114	16	798	4.6	19.11		
	137	20	709	3.8	15.98		
	156	22	622	4.0	14.01		
	175	25	555	4.2	12.51		
	204	29	482	4.4	10.75		
	229	33	429	4.6	9.56		
	290	41	339	4.8	7.55		
	63	8.9	1381	1.7	34.89	SK 12063 - RV 30 - 145TC	3.4
	76	10.9	1151	2.0	28.61		
	87	12.4	1009	2.2	25.15		1:7
	98	14.0	912	2.4	22.32		
	115	16	773	2.8	18.99		174
	141	20	683	2.5	15.57		
	171	24	559	3.0	12.76		
	195	28	492	3.3	11.22		
	220	31	442	3.7	9.96		
	258	37	376	4.2	8.47		
	294	42	330	4.6	7.43		
	2188	312	52.2	No Gearbox		SK - RV 30 F - 145TC	3.4 1:7 130

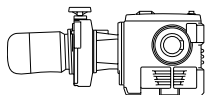
VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE

THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
3.00	6.5	0.90	13204	2.0	337.46	SK 42125 - RV 30 - 145TC	4.8
	10.9	1.5	8204	3.0	201.63		
	12.0	1.7	7558	3.3	182.36		1:7
	13.6	1.9	6664	3.7	160.74		
	15.0	2.2	6115	3.9	144.76		342
	19	2.7	5151	4.6	117.50		
	22	3.1	4487	5.1	100.58		
	25	3.6	4779	4.3	87.30		
	28	4.1	4275	4.6	76.95		
	32	4.5	3850	4.9	69.30		
	39	5.5	3168	5.3	56.25		
	45	6.5	2752	5.7	48.15		
	53	7.6	2372	5.9	40.95		
	62	8.8	2239	4.6	35.33		
	69	9.8	2018	4.9	31.82		
	85	12.1	1655	5.3	25.83		
	99	14.1	1434	5.7	22.11		
	116	17	1221	5.9	18.80		
	137	20	1071	4.9	15.92		
	169	24	880	5.3	12.93		
	198	28	761	5.7	11.06		
	233	33	648	5.9	9.41		
	17	2.4	5151	2.4	129.00	SK 32100 - RV 30 - 145TC	4.8
	21	3.0	4310	2.8	104.00		
	23	3.3	5089	2.2	94.19		1:7
	31	4.4	3921	2.8	71.57		
	34	4.8	3531	2.9	64.55		254
	43	6.2	2797	3.2	50.31		
	51	7.3	2611	2.8	42.83		
	57	8.1	2354	2.9	38.63		
	64	9.1	1956	3.5	34.32		
	73	10.4	1859	3.2	30.11		
	90	12.9	1522	3.4	24.27		
	107	15.0	1301	3.5	20.54		
	115	16	1266	2.8	18.97		
	128	18	1142	2.9	17.11		
	164	23	894	3.2	13.34		
	204	29	732	3.4	10.75		
	240	34	620	3.5	9.10		
	2188	312	78.2	No Gearbox		SK - RV 30 F - 145TC	4.8
							1:7
							130
5.00	13.6	2.7	15054	1.1	160.74	SK 42125 - RV 40 - 184 TC	7.6
	15.0	3.0	13744	1.1	144.76		
	19	3.7	11461	1.2	117.50		1:5
	22	4.4	9947	1.3	100.58		
	25	5.0	9425	1.6	87.30		419
	28	5.7	8408	1.7	76.95		
	32	6.3	7576	1.8	69.30		
	39	7.8	6222	2.0	56.25		
	45	9.1	5390	2.2	48.15		
	53	10.7	4637	2.3	40.95		
	62	12.4	4133	2.8	35.33		
	69	13.8	3726	2.9	31.82		
	85	17	3062	3.2	25.83		
	99	20	2620	3.4	22.11		



VARIABLE SPEED WORM GEARED MOTORS

WITH FRICTION DRIVE

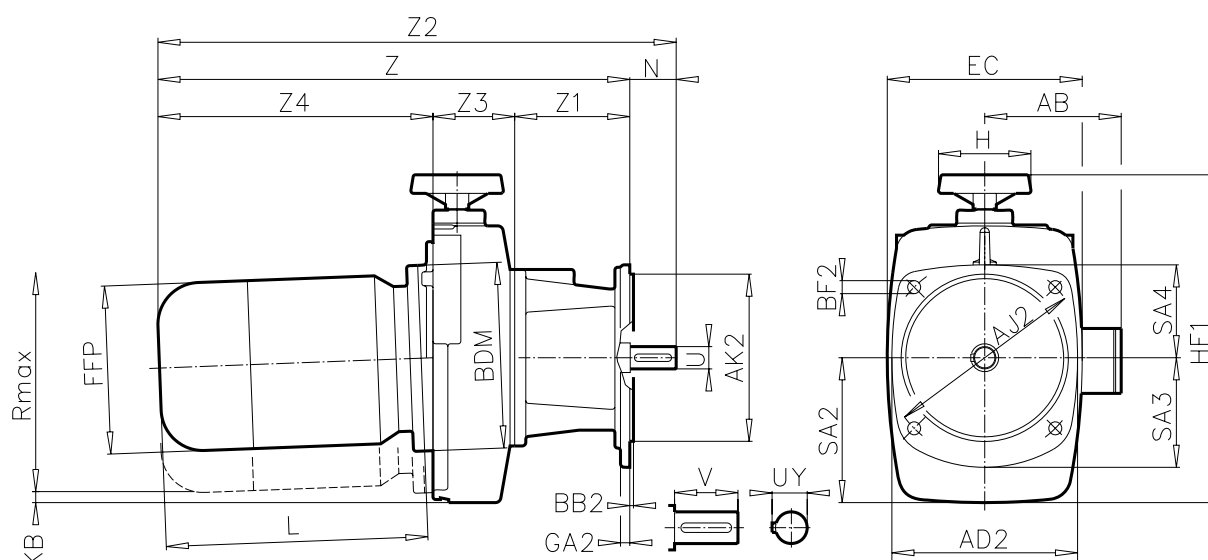
THREE PHASE

Power	Output speeds		Output Torque	Service factor	Ratio	Type	(460V)
P_n	High n_2	Low n_2	T_{al}				$I_N [A]$
[HP]	[RPM]	[RPM]	[LB-IN]	f_{BI}	i_{ges}		I_{regel} [LBS]
5.00	116	23	2221	3.6	18.80	SK 42125 - RV 40 - 184 TC	7.6
	137	28	1929	2.9	15.92		
	169	34	1566	3.2	12.93		1:5
	198	40	1354	3.4	11.06		
	233	47	1151	3.6	9.41		419
	34	6.8	6885	1.1	64.55	SK 32100 - RV 40 - 184 TC	7.6
	43	8.7	5434	1.2	50.31		
	51	10.2	4850	1.4	42.83		1:5
	57	11.3	4372	1.5	38.63		
	64	12.8	3797	1.5	34.32		331
	73	14.5	3452	1.7	30.11		
	90	18	2814	1.9	24.27		
	107	21	2381	2.1	20.54		
	115	23	2248	2.1	18.97		
	128	26	2027	2.2	17.11		
	164	33	1593	2.6	13.34		
	204	41	1283	2.9	10.75		
	240	48	1097	3.1	9.10		
	304	61	870	3.2	7.19		
	2188	438	130	No Gearbox		SK - RV 40 F - 184TC	7.6 1:5 207
7.50	28	5.7	12638	1.1	76.95	SK 42125 - RV 40 - 213 TC	11
	32	6.3	11381	1.2	69.30		
	39	7.8	9354	1.3	56.25		1:5
	45	9.1	8098	1.4	48.15		
	53	10.7	6965	1.5	40.95		459
	62	12.4	6222	1.8	35.33		
	69	13.8	5602	1.9	31.82		
	85	17	4593	2.1	25.83		
	99	20	3938	2.3	22.11		
	116	23	3345	2.4	18.80		
	137	28	2894	1.9	15.92		
	169	34	2354	2.1	12.93		
	198	40	2036	2.3	11.06		
	233	47	1726	2.4	9.41		
	73	14.5	5186	1.1	30.11	SK 32100 - RV 40 - 213 TC	11
	90	18	4221	1.3	24.27		
	107	21	3575	1.4	20.54		1:5
	115	23	3381	1.4	18.97		
	128	26	3044	1.5	17.11		370
	164	33	2398	1.7	13.34		
	204	41	1938	1.9	10.75		
	240	48	1655	2.1	9.10		
	304	61	1310	2.1	7.19		
	2188	438	196	No Gearbox		SK - RV 40 F - 213TC	11 1:5 247

VARIABLE SPEED MOTORS



FRICTION DRIVE UNITS



Type	Fitting flange	Outline dimensions												Motor				Shaft dimensions		
		SA2	N	Z2	*KB	Z1	Z	Z3	Z4	HF1	H	EC	Rmax	AB	BDM	FP	L	U	UY	V
SK RV10 - 56 C	160 S	3.62	1.22	17.17	-1.38	3.23	15.95	2.64	10.08	9.21	3.15	4.72	1.38	5.30	4.13	7.20	9.30	0.55	0.63	1.18
SK RV20 - 56 C - 143 TC - 56 C - 143 TC	160 S	4.57	1.42	19.19	-0.89	4.61	17.77	2.99	10.17	10.87	3.15	6.10	1.93	5.30	7.87	7.20	9.30	0.75	0.85	1.58
				20.19	-0.96		18.77		11.17					5.30		7.20	10.30			
	250 S	1.65	1.918	-0.89	4.37	17.53		10.17						5.30		7.20	9.30			
				20.18	-0.96		18.53		11.17					5.30		7.20	10.30			
SK RV30 - 145 TC - 145 TC - 145 TC	160 S	6.14	1.81	22.45	0	5.12	20.64	3.47	12.05	13.90	3.94	8.27	2.80	5.30	7.87	7.20	11.30	0.95	1.06	1.97
	250 S	2.05	22.45	0	4.88	20.40		12.05						5.30		7.20	11.30			
	300 S	1.97	22.45	0	4.88	20.40		12.05						5.30		7.20	11.30			
SK RV40 - 184 TC - 213 TC	250 S	8.03	2.62	28.07	0	6.14	25.45	4.21	15.10	17.56	4.92	10.63	3.66	5.90	9.84	8.50	14.00	1.10	1.22	2.36
	and 300 S			29.67	-0.55		27.05		16.70					7.40		10.30	15.60			

*KB= negative values are beyond SA2

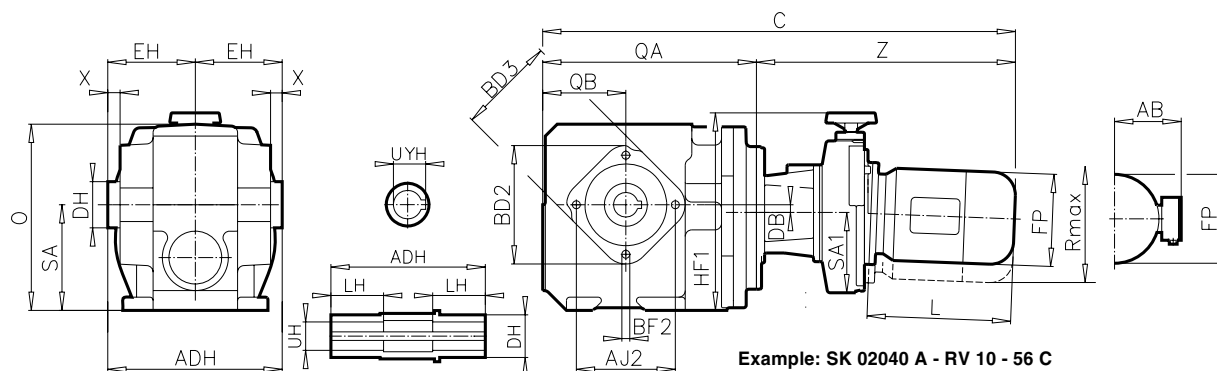
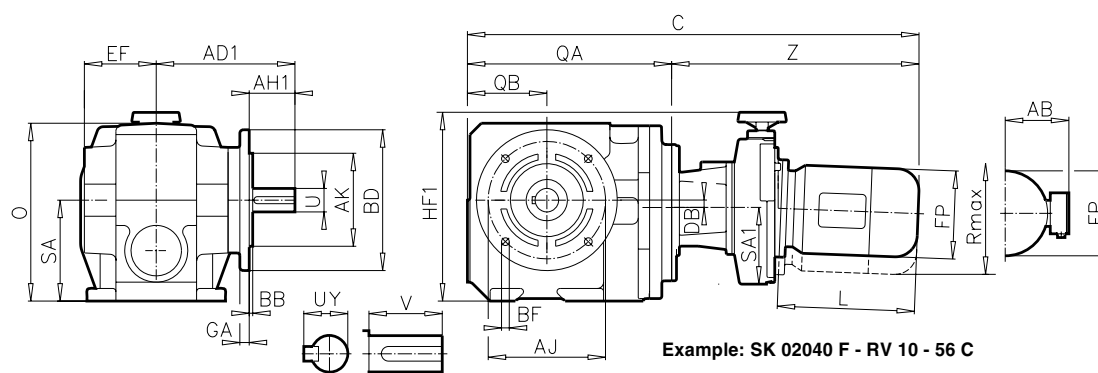
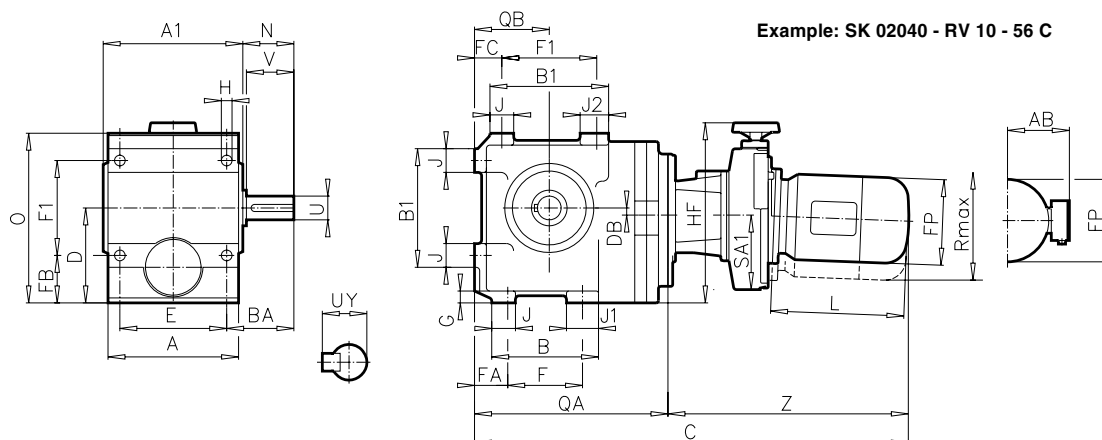
Fitting flange	Mounting dimensions							
	AD2	SA3	SA4	AK2	GA2	AJ2	BB2	BF2
160 S	5.12	3.15	2.48	4.331	0.47	5.12	0.14	0.35
250 S	7.87	4.65	3.94	7.087	0.63	8.47	0.16	0.55
300 S	9.84	5.98	4.92	9.055	0.79	10.43	0.16	0.55

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, FOOT MOUNTED, FLANGE MOUNTED OR SHAFT MOUNTED,
DOUBLE REDUCTION



Type	Mounting dimensions foot					Mounting dim. flange				Outline dimensions													
	A	E	FA	G	J	AJ*	BB*	BD3	GA*	A1	AH1	C	D	EF	HF	HF1	N	QA	R _{max}	SA	SA1	X	Z
	B	F	FB	H	J1	AJ2	BD*	BF*		AD1	BA		DB	EH			O	QB					
SK 02040 ...	B1	F1	FC		J2	AK*	BD2	BF2		ADH													
- RV 10 - 56 C	4.33	3.54	1.10	0.39	0.79	3.94	0.12	2.91	0.32	4.72	1.57	22.60	3.15	2.24	8.72	8.80	1.69	6.65	1.38	3.23	3.62	0.12	15.95
- RV 20 - 56 C	3.41	2.48	1.57	0.35	1.06	2.95	4.72	0.26		4.53	2.16	24.42	0.02	2.36	9.43	9.51	5.36	2.48	1.93		4.57		17.77
- 143 TC	3.94	3.15	0.90		0.94	3.150	3.54	M6x10		4.72		25.42											18.77

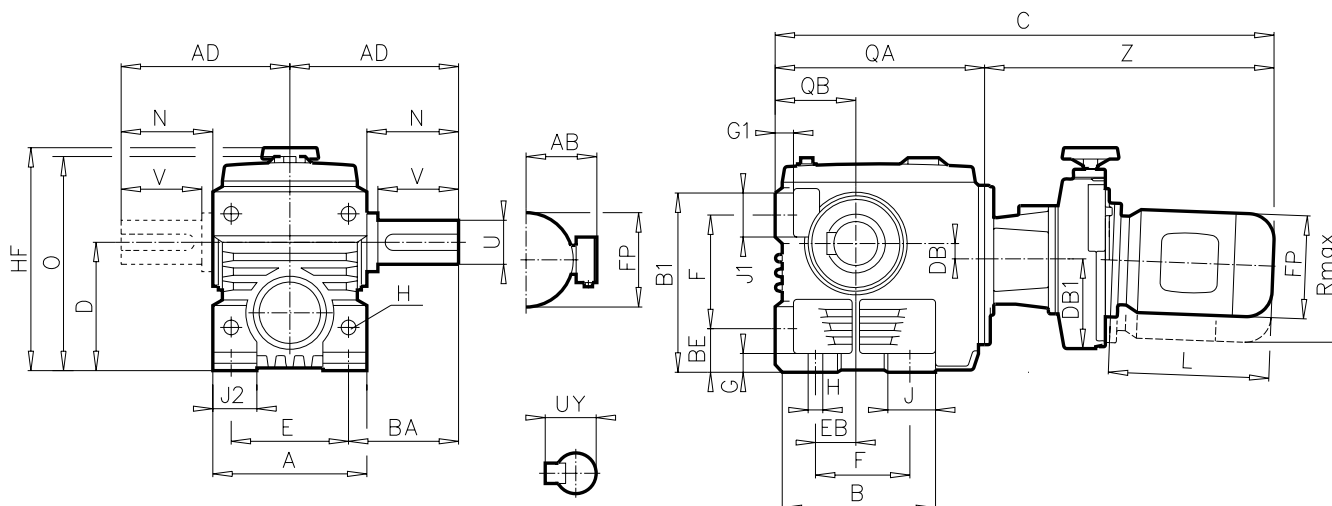
Shaft dimensions										Motor dimensions				* Alternate flange					
Solid shaft				Hollow shaft						Type	AB	FP	L	AJ	AK	BB	BD	BF	GA
U	UY	V	Key	ADH	DH	LH	UH	UYH	Key	56 C	5.30	7.20	9.30	5.12	4.331	0.14	6.30	0.35	0.36
0.750	0.83	1.57	3/16x3/16x1	4.72	1.38	1.10	0.750	0.84	3/16x3/16x1	143 TC	5.30	7.20	10.30						

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, FOOT MOUNTED, DOUBLE REDUCTION



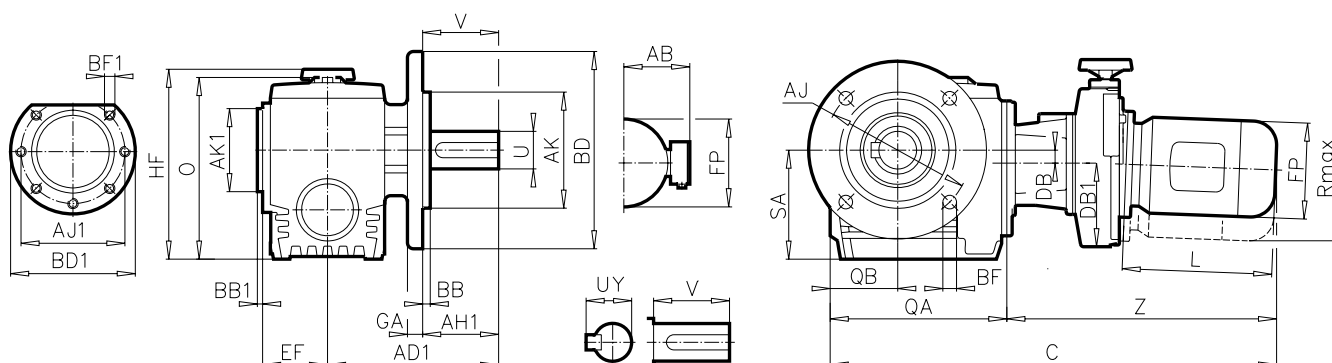
Type	Mounting dimensions foot					Outline dimensions											Motor			Shaft dimensions		
	A B B1	BE E EB	F G G1	H J J1	J2	AD	BA	C	D DB	DB1	HF	N O	QA QB	R _{max}	Z	AB	FP	L	U	UY	V	
<i>Key</i>																						
SK 02050																						
- RV 10 - 56 C	4.80	1.38	3.15	0.43	1.34	4.68	2.71	23.23	3.94	3.62	9.23	2.28	7.28	1.38	15.95	5.30	7.20	9.30	1.000	1.11	2.12	
- RV 20 - 56 C	4.72	3.94	0.55	1.38				25.05	0.30	4.57	9.94	6.50	2.95	1.93	17.77	5.30	7.20	9.30				
- 143 TC	4.49	1.38	0.55	1.38				26.05							18.77	5.30	7.20	10.30	1/4 x 1/4 x 1-5/8			
SK 12063																						
- RV 10 - 56 C	5.43	1.38	3.94	0.43	1.42	5.66	3.50	23.82	4.41	3.62	9.49	2.95	7.87	1.38	15.95	5.30	7.20	9.30	1.250	1.36	2.75	
- RV 20 - 56 C	5.51	4.33	0.63	1.58				25.64	0.51	4.57	10.20	7.40	3.15	1.93	17.77	5.30	7.20	9.30				
- 143 TC	5.51	1.77	0.63	1.58				26.64							18.77	5.30	7.20	10.30				
- RV 30 - 145 TC								28.51		6.14	11.66				2.80	20.64	5.30	7.20	11.30	1/4 x 1/4 x 2-1/4		
SK 12080																						
- RV 10 - 56 C	6.30	1.58	5.12	0.55	1.58	6.30	3.74	25.44	5.51	3.62	10.35	2.99	9.49	1.38	15.95	5.30	7.20	9.30	1.375	1.51	2.75	
- RV 20 - 56 C	7.01	5.12	0.79	1.58				27.26	0.75	4.57	11.06	8.98	3.94	1.93	17.77	5.30	7.20	9.30				
- 143 TC	6.69	2.36	0.79	1.58				28.26							18.77	5.30	7.20	10.30				
- RV 30 - 145 TC								30.13		6.14	12.52				2.80	20.64	5.30	7.20	11.30	5/16 x 5/16 x 2-1/8		
SK 32100																						
- RV 20 - 56 C	7.48	2.76	5.32	0.71	1.97	7.63	4.68	28.87	7.09	4.57	12.44	3.70	11.34	1.93	17.53	5.30	7.20	9.30	1.875	2.09	3.50	
- 143 TC	7.28	5.91	1.10	1.97				29.87	0.95			11.38	4.92		18.53	5.30	7.20	10.30				
- RV 30 - 145 TC	7.21	2.95	0.98	1.89				31.74		6.14	13.90				2.80	20.40	5.30	7.20	11.30			
- RV 40 - 184 TC								36.79		8.03	15.67				3.66	25.45	5.90	8.50	14.00			
- 213 TC								38.39							27.05	7.40	10.30	15.60	1/2 x 1/2 x 2-3/4			
SK 42125																						
- RV 30 - 145 TC	9.84	3.23	7.09	0.87	2.36	9.81	5.88	34.26	8.86	6.14	15.08	4.82	13.86	2.80	20.40	5.30	7.20	11.30	2.375	2.65	4.50	
- RV 40 - 184 TC	9.53	7.87	1.34	2.75				39.31	1.54	8.03	16.85	13.90	5.91	3.66	25.45	5.90	8.50	14.00				
- 213 TC	9.45	3.62	1.18	2.36				40.91							27.05	7.40	10.30	15.60	5/8 x 5/8 x 3-1/2			

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, FLANGE MOUNTED, DOUBLE REDUCTION



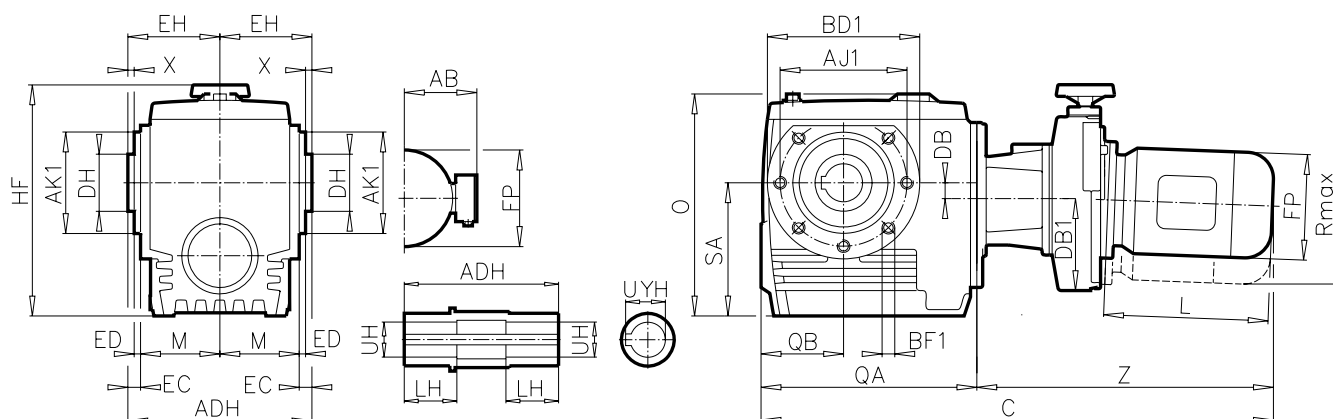
Type	Mounting dimensions flange						Outline dimensions											Motor			Shaft dimensions								
	AJ	AK	BB	BD	BF	GA	AD1	C	DB	DB1	HF	O	QA	R _{max}	SA	Z	AB	FP	L	U	UY	V							
	AJ1	AK1	BB1	BD1	BF1		AH1						QB									Key							
SK 02050 F																													
- RV 10 - 56 C	5.12	4.331	0.16	6.30	0.35	0.39	5.47	23.04	0.30	3.62	9.23	6.93	7.09	1.38	3.94	15.95	5.30	7.20	9.30	1.000	1.11	2.12							
- RV 20 - 56 C	4.53	3.740	0.12	5.20	M8x13		2.12	24.86		4.57	9.94		2.76	1.93		17.77	5.30	7.20	9.30										
- 143 TC							25.86											18.77			5.30 7.20 10.30			1/4 x 1/4 x 1-5/8					
SK 12063 F																													
- RV 10 - 56 C	6.50	5.118	0.16	7.87	0.43	0.47	6.53	23.67	0.51	3.62	9.84	7.84	7.72	1.38	4.76	15.95	5.30	7.20	9.30	1.250	1.36	2.75							
- RV 20 - 56 C	4.53	3.740	0.12	5.51	M8x13		2.75	25.49		4.57	10.55		2.95	1.93		17.77	5.30	7.20	9.30										
- 143 TC							26.49											18.77			5.30 7.20 10.30								
- RV 30 - 145 TC							28.36											6.14 12.01			2.80			20.64 5.30 7.20 11.30			1/4 x 1/4 x 2-1/4		
SK 12080 F																													
- RV 10 - 56 C	6.50	5.118	0.16	7.87	0.43	0.47	7.24	25.48	0.75	3.62	10.59	9.88	9.53	1.38	5.75	15.95	5.30	7.20	9.30	1.375	1.51	2.75							
- RV 20 - 56 C	6.50	5.118	0.16	7.56	M10x16		2.75	27.30		4.57	11.30		3.98	1.93		17.77	5.30	7.20	9.30										
- 143 TC							28.30											18.77			5.30 7.20 10.30								
- RV 30 - 145 TC							30.17											6.14 12.76			2.80			20.64 5.30 7.20 11.30			5/16 x 5/16 x 2-1/8		
SK 32100 F																													
- RV 20 - 56 C	8.47	7.087	0.16	9.84	0.55	0.63	9.09	28.75	0.95	4.57	12.52	12.24	11.22	1.93	7.17	17.53	5.30	7.20	9.30	1.875	2.09	3.50							
- 143 TC	8.47	7.087	0.16	9.37	M12x20		3.50	29.75					4.80			18.53	5.30	7.20	10.30										
- RV 30 - 145 TC							31.62											6.14 13.98			2.80			20.40 5.30 7.20 11.30					
- RV 40 - 184 TC							36.67											8.03 15.75			3.66			25.45 5.90 8.50 14.00					
- 213 TC							38.27														27.05			7.40 10.30 15.60			1/2 x 1/2 x 2-3/4		
SK 42125 F																													
- RV 30 - 145 TC	11.81	9.843	0.20	13.78	0.71	0.79	11.86	34.26	1.54	6.14	14.96	15.08	13.86	2.80	8.74	20.40	5.30	7.20	11.30	2.375	2.65	4.50							
- RV 40 - 184 TC	10.43	9.055	0.16	11.42	M12x20		4.50	39.31		8.03	16.73		5.91	3.66		25.45	5.90	8.50	14.00										
- 213 TC							40.91														27.05			7.40 10.30 15.60			5/8 x 5/8 x 3-1/2		

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, SHAFT MOUNTED, DOUBLE REDUCTION



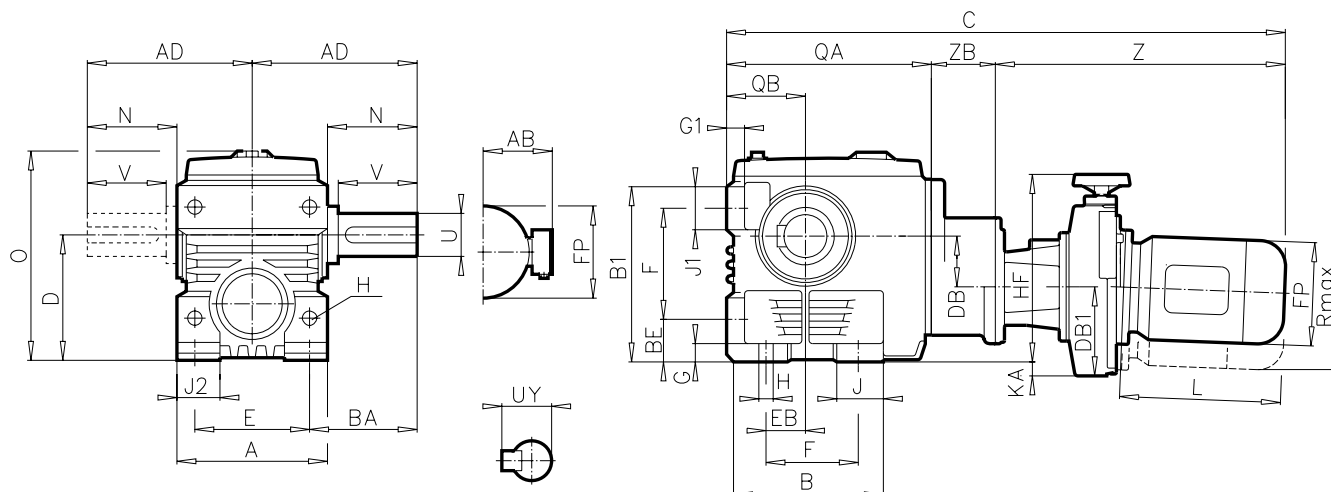
Type	Mounting dimensions flange			Outline dimensions											Motor			Shaft dimensions		
	AJ1 AK1	BD1 BF1	EC ED	ADH	C	DB	DB1	EH	HF	O	QA QB	R _{max}	SA X	Z	AB	FP	L	ADH DH	LH UH	UYH Key
SK 02050 A																				
- RV 10 - 56 C	4.53	0.12	0.24	5.20	<u>23.04</u>	0.30	<u>3.62</u>	2.60	<u>9.23</u>	6.93	7.09	<u>1.38</u>	3.94	<u>15.95</u>	5.30	7.20	9.30	5.20	1.77	1.30
- RV 20 - 56 C	3.740	M8x13	0.12		<u>24.86</u>		<u>4.57</u>		<u>9.94</u>		2.76	<u>1.93</u>	0.12	<u>17.77</u>	5.30	7.20	9.30	1.77	1.188	
- 143 TC					<u>25.86</u>									<u>18.77</u>	5.30	7.20	10.30		<u>1/4 x 1/4 x 3-1/4</u>	
SK 12063 A																				
- RV 10 - 56 C	4.53	5.51	0.28	5.83	<u>23.67</u>	0.51	<u>3.62</u>	2.92	<u>9.84</u>	7.84	7.72	<u>1.38</u>	4.76	<u>15.95</u>	5.30	7.20	9.30	5.83	1.90	1.54
- RV 20 - 56 C	3.740	M8x13	0.12		<u>25.49</u>		<u>4.57</u>		<u>10.55</u>		2.95	<u>1.93</u>	0.16	<u>17.77</u>	5.30	7.20	9.30	1.97	1.438	
- 143 TC					<u>26.49</u>									<u>18.77</u>	5.30	7.20	10.30			
- RV 30 - 145 TC					<u>28.36</u>		<u>6.14</u>		<u>12.01</u>			<u>2.80</u>		<u>20.64</u>	5.30	7.20	11.30		<u>3/8 x 1/4 x 4</u>	
SK 12080 A																				
- RV 10 - 56 C	6.50	7.56	0.35	6.61	<u>25.48</u>	0.75	<u>3.62</u>	3.31	<u>10.59</u>	9.88	9.53	<u>1.38</u>	5.75	<u>15.95</u>	5.30	7.20	9.30	6.61	2.17	1.90
- RV 20 - 56 C	5.118	M10x16	0.16		<u>27.30</u>		<u>4.57</u>		<u>11.30</u>		3.98	<u>1.93</u>	0.20	<u>17.77</u>	5.30	7.20	9.30	2.56	1.813	
- 143 TC					<u>28.30</u>									<u>18.77</u>	5.30	7.20	10.30			
- RV 30 - 145 TC					<u>30.17</u>		<u>6.14</u>		<u>12.76</u>			<u>2.80</u>		<u>20.64</u>	5.30	7.20	11.30		<u>1/2 x 3/8 x 5-1/4</u>	
SK 32100 A																				
- RV 20 - 56 C	8.47	9.37	0.35	7.95	<u>28.75</u>	0.95	<u>4.57</u>	3.98	<u>12.52</u>	12.24	11.22	<u>1.93</u>	7.17	<u>17.53</u>	5.30	7.20	9.30	7.95	2.76	2.62
- 143 TC	7.087	M12x20	0.16		<u>29.75</u>						4.80		0.20	<u>18.53</u>	5.30	7.20	10.30	3.35	2.438	
- RV 30 - 145 TC					<u>31.62</u>		<u>6.14</u>		<u>13.98</u>			<u>2.80</u>		<u>20.40</u>	5.30	7.20	11.30			
- RV 40 - 184 TC					<u>36.67</u>		<u>8.03</u>		<u>15.75</u>			<u>3.66</u>		<u>25.45</u>	5.90	8.50	14.00			
- 213 TC					<u>38.27</u>									<u>27.05</u>	7.40	10.30	15.60		<u>5/8 x 7/16 x 5-1/2</u>	
SK 42125 A																				
- RV 30 - 145 TC	10.43	11.42	0.39	9.84	<u>34.26</u>	1.54	<u>6.14</u>	4.92	<u>14.96</u>	15.08	13.86	<u>2.80</u>	8.74	<u>20.40</u>	5.30	7.20	11.30	9.84	3.35	3.03
- RV 40 - 184 TC	9.055	M12x20	0.16		<u>39.31</u>		<u>8.03</u>		<u>16.73</u>		5.91	<u>3.66</u>	0.24	<u>25.45</u>	5.90	8.50	14.00	3.74	2.750	
- 213 TC					<u>40.91</u>									<u>27.05</u>	7.40	10.30	15.60		<u>5/8 x 5/8 x 8</u>	

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, FOOT MOUNTED, TRIPLE REDUCTION



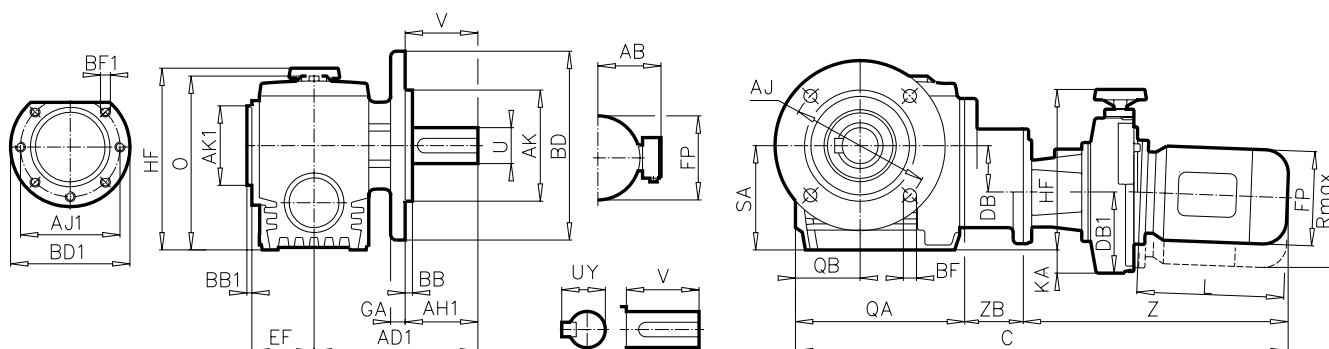
Type	Mounting dimensions foot					Outline dimensions												Motor			Shaft dimensions		
	A	BE	F	H	J2	AD	BA	C	D	DB1	HF	N	QA	R _{max}	ZB	Z	AB	FP	L	U	UY	V	
	B B1	E EB	G G1	J J1					DB			O	QB ZB										
SK 13050 - RV 10 - 56 C	4.80 4.72 4.49	1.38 3.94 1.38	3.15 0.55 0.55	0.43 1.38	1.34	4.68	2.71	25.51	3.94 1.48	3.62	8.05	2.28 6.50 2.28	7.28 2.95	1.38	2.28	15.95	5.30	7.20	9.30	1.000	1.11	2.12	1/4 x 1/4 x 1-5/8
SK 13063 - RV 10 - 56 C	5.43 5.51 5.51	1.38 4.33 1.77	3.94 0.63 0.63	0.43 1.58	1.42	5.66	3.50	26.10	4.41 1.69	3.62	8.31	2.95 7.40 2.28	7.87 3.15	1.38	2.28	15.95	5.30	7.20	9.30	1.250	1.36	2.75	1/4 x 1/4 x 2-1/4
SK 13080 - RV 10 - 56 C	6.30 7.01 6.69	1.58 5.12 2.36	5.12 0.79 0.79	0.55 1.58	1.58	6.30	3.74	27.63	5.51 1.93	3.62	9.17	2.99 8.98 2.28	9.49 3.94	1.38	2.28	15.95	5.30	7.20	9.30	1.375	1.51	2.75	5/16 x 5/16 x 2-1/8
SK 33100 - RV 10 - 56 C	7.48 7.28 7.21	2.76 5.91 2.95	5.32 1.10 0.98	0.71 1.97	1.97	7.63	4.68	29.65	7.09 2.91	3.62	9.77	3.70 11.38 2.36	11.34 4.92	1.38	2.36	15.95	5.30	7.20	9.30	1.875	2.09	3.50	1/2 x 1/2 x 2-3/4
SK 43125 - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	9.84 9.53 9.45	3.23 7.87 3.62	7.09 1.34 1.18	0.87 2.75	2.36	9.81	5.88	34.11 35.11 36.98	8.86 3.94	4.57 11.22	4.82 13.90	13.86 5.91 2.72	1.93 2.80	2.72 17.53 18.53 20.40	5.30 5.30 5.30	7.20 7.20 7.20	9.30 10.30 11.30	2.375 2.65 4.50	5/8 x 5/8 x 3-1/2				

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, FLANGE MOUNTED, TRIPLE REDUCTION



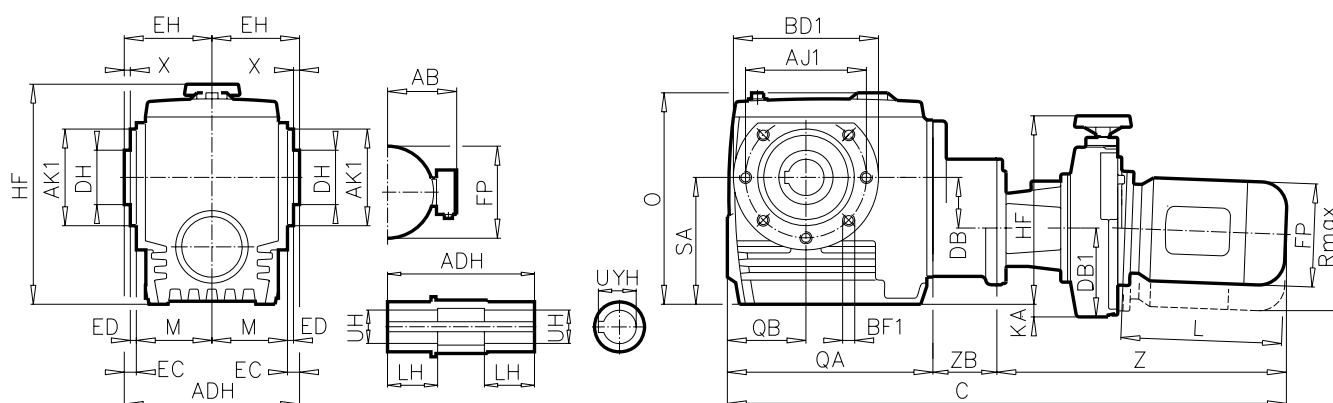
Type	Mounting dimensions flange						Outline dimensions												Motor			Shaft dimensions		
	AJ	AK	BB	BD	BF	GA	AD1	C	DB	DB1	HF	O	QA	R _{max}	SA	ZB	Z	AB	FP	L	U	UY	V	
	AJ1	AK1	BB1	BD1	BF1		AH1						QB											Key
SK 13050 F - RV 10 - 56 C	5.12 4.53	4.331 3.740	0.16 0.12	6.30 5.20	0.35 M8x13	0.39	5.47 2.12	25.32	1.48	3.62	8.05	6.93	7.09 2.76	1.38	3.94	2.28	15.95	5.30	7.20	9.30	1.000	1.11	2.12	1/4 x 1/4 x 1-5/8
SK 13063 F - RV 10 - 56 C	6.50 4.53	5.118 3.740	0.16 0.12	7.87 5.51	0.43 M8x13	0.47	6.53 2.75	25.95	1.69	3.62	8.66	7.84	7.72 2.95	1.38	4.76	2.28	15.95	5.30	7.20	9.30	1.250	1.36	2.75	1/4 x 1/4 x 2-1/4
SK 13080 F - RV 10 - 56 C	6.50 6.50	5.118 5.118	0.16 0.16	7.87 7.56	0.43 M10x16	0.47	7.24 2.75	27.76	1.93	3.62	9.41	9.88	9.53 3.98	1.38	5.75	2.28	15.95	5.30	7.20	9.30	1.375	1.51	2.75	5/16 x 5/16 x 2-1/8
SK 33100 F - RV 10 - 56 C	8.47 8.47	7.087 7.087	0.16 0.16	9.84 9.37	0.55 M12x20	0.63	9.09 3.50	29.53	2.91	3.62	9.85	12.24	11.22 4.80	1.38	7.17	2.36	15.95	5.30	7.20	9.30	1.875	2.09	3.50	1/2 x 1/2 x 2-3/4
SK 43125 F - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	11.81 10.43	9.843 9.055	0.20 0.16	13.78 11.42	0.71 M12x20	0.79	11.86 4.50	34.11 35.11	3.94	4.57	11.10	15.08	13.86 5.91	1.93	8.74	2.72	17.53 18.53	5.30 5.30	7.20 7.20	9.30 10.30	2.375	2.65	4.50	5/8 x 5/8 x 3-1/2

Technical design may be subject to change

VARIABLE SPEED WORM GEARED MOTORS



WITH FRICTION DRIVE, SHAFT MOUNTED, TRIPLE REDUCTION

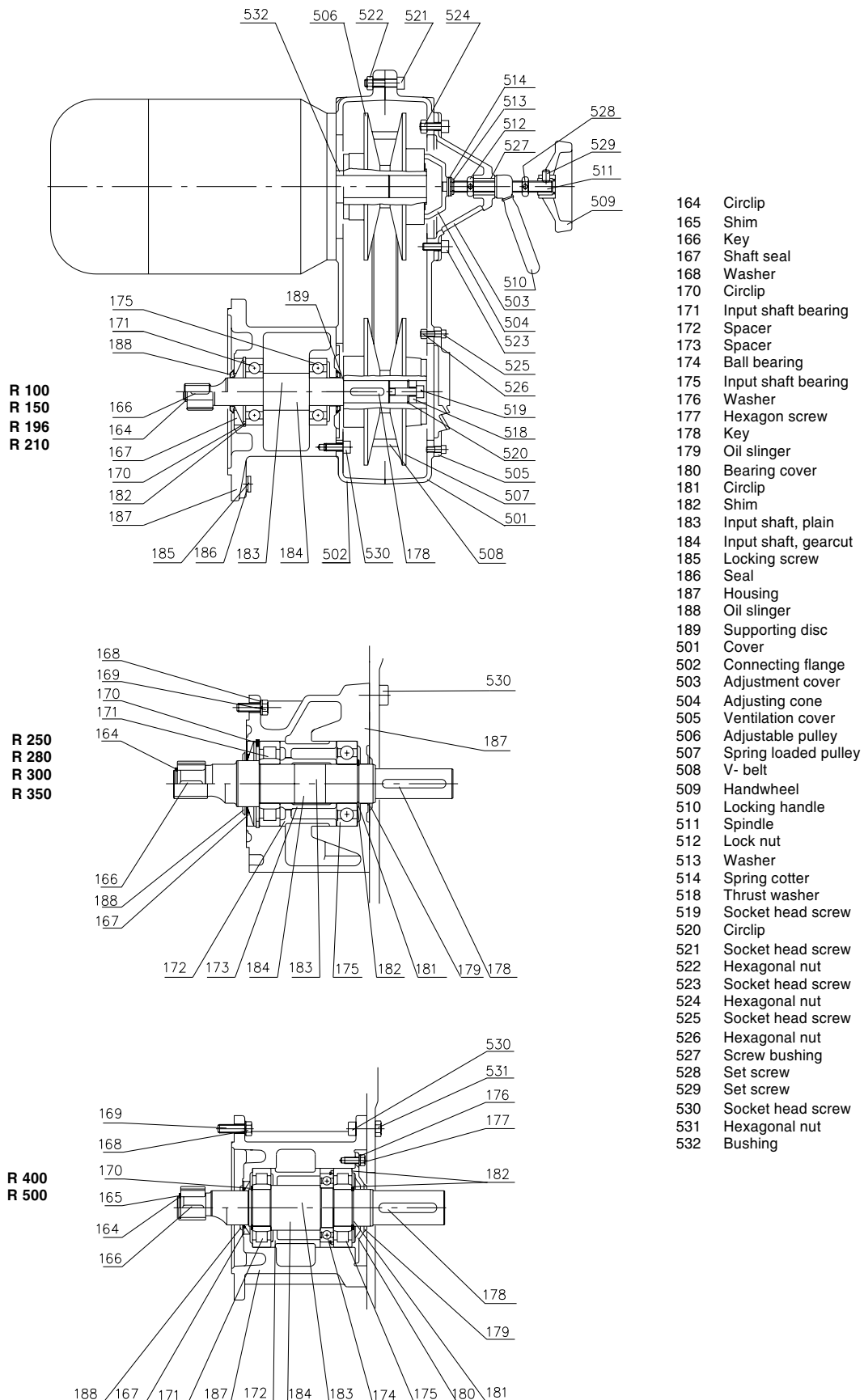


Type	Mounting dimensions flange			Outline dimensions													Motor			Shaft dimensions		
	AJ1 AK1	BD1 BF1	EC ED	ADH	C	DB	DB1	EH	HF	O	QA QB	R _{max}	SA X	ZB	Z	AB	FP	L	ADH DH	LH UH Key	UYH	
SK 13050 A - RV 10 - 56 C	4.53 3.740	0.12 M8x13	0.24 0.12	5.20	25.32	1.48	3.62	2.60	8.05	6.93	7.09 2.76	1.38	3.94 0.12	2.28	15.95	5.30	7.20	9.30	5.20 1.77 1.77	1.77 1.188	1.30 1/4 x 1/4 x 3-1/4	
SK 13063 A - RV 10 - 56 C	4.53 3.740	5.51 M8x13	0.28 0.12	5.83	25.95	1.69	3.62	2.92	8.66	7.84	7.72 2.95	1.38	4.76 0.16	2.28	15.95	5.30	7.20	9.30	5.83 1.97	1.90 1.438	1.54 3/8 x 1/4 x 4	
SK 13080 A - RV 10 - 56 C	6.50 5.118	7.56 M10x16	0.35 0.16	6.61	27.76	1.93	3.62	3.31	9.41	9.88	9.53 3.98	1.38	5.75 0.20	2.28	15.95	5.30	7.20	9.30	6.61 2.56	2.17 1.813	1.90 1/2 x 3/8 x 5-1/4	
SK 33100 A - RV 10 - 56 C	8.47 7.087	9.37 M12x20	0.35 0.16	7.95	29.53	2.91	3.62	3.98	9.85	12.24	11.22 4.80	1.38	7.17 0.20	2.36	15.95	5.30	7.20	9.30	7.95 3.35	2.76 2.438	2.62 5/8 x 7/16 x 5-1/2	
SK 43125 A - RV 20 - 56 C - 143 TC - RV 30 - 145 TC	10.43 9.055	11.42 M12x20	0.39 0.16	9.84	34.11 35.11	3.94	4.57	4.92	11.10	15.08	13.86 5.91	1.93	8.74 0.24	2.72	17.53 18.53	5.30 5.30	7.20 7.20	9.30 10.30	9.84 3.74	3.35 2.750	3.03 5/8 x 5/8 x 8	

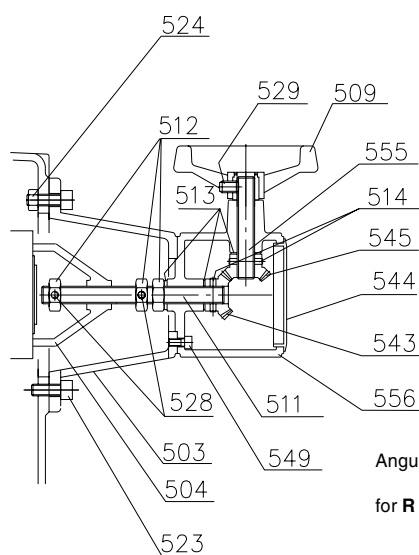
Technical design may be subject to change

NOTES

GENERAL PARTS LIST

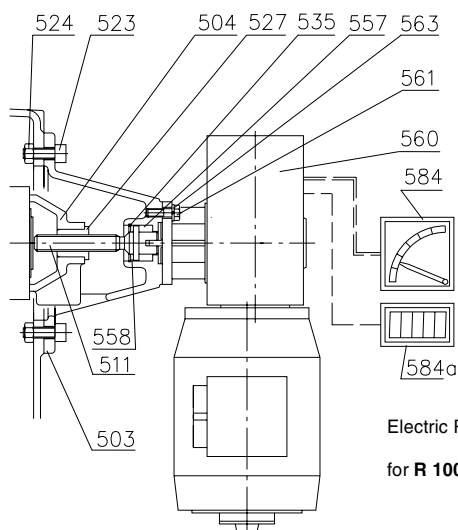


GENERAL PARTS LIST



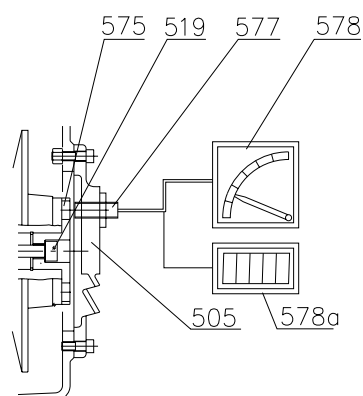
Angular control type **WST**

for **R 100 - R 400**



Electric Remote Control type **EMFST**

for **R 100 - R 350**

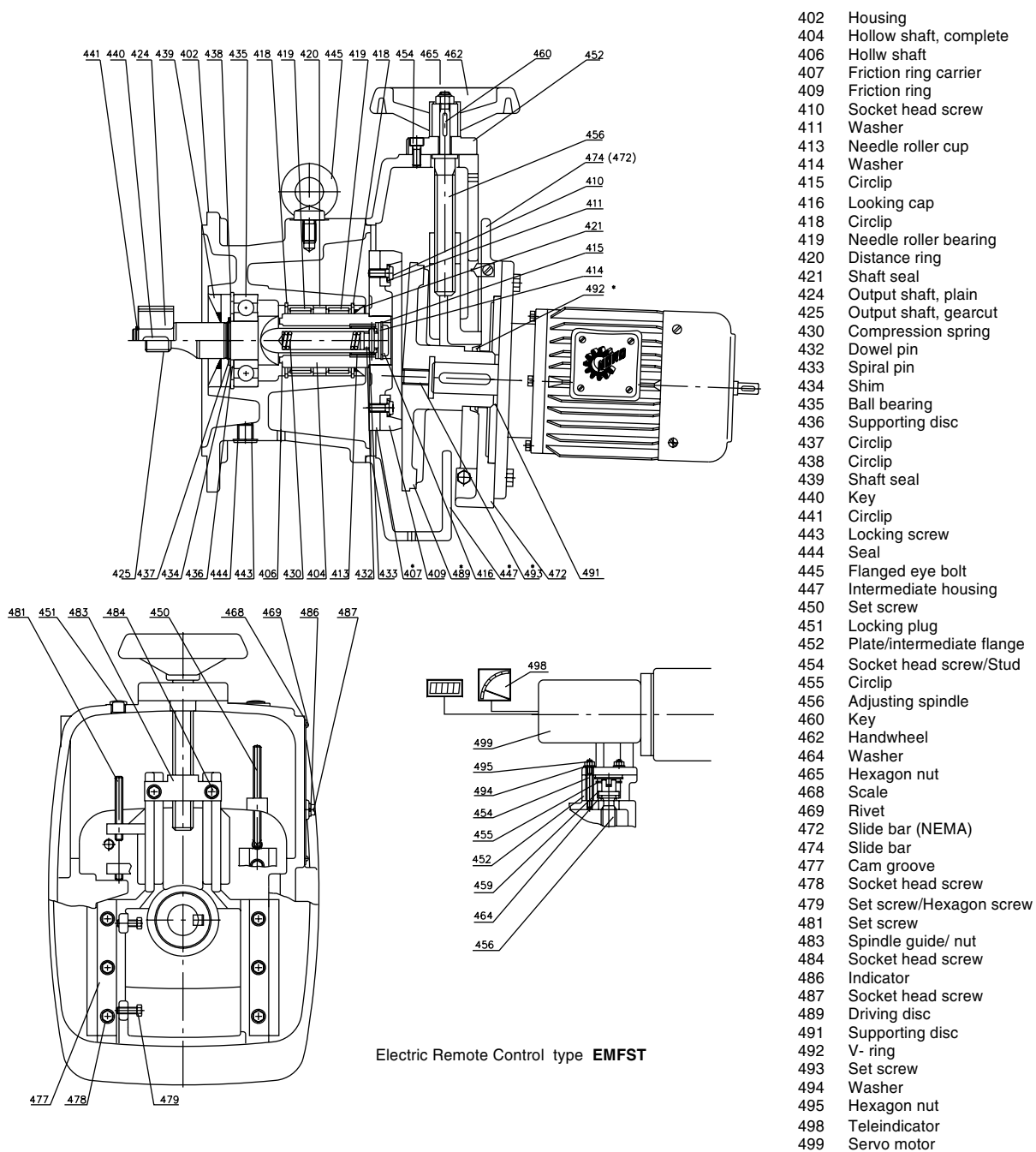


Non-contacting speed indicator

for **R 100 - R 500**

- 503 Adjustment cover
- 504 Adjusting cone
- 505 Ventilation cover
- 509 Handwheel
- 511 Spindle
- 512 Lock nut
- 514 Spiral pin
- 519 Socket head bolt
- 523 Socket head bolt
- 524 Hexagonal nut
- 527 Tapped bushing
- 528 Set screw
- 529 Set screw
- 535 Circlip
- 543 Bevel Gear
- 544 Sealing plug
- 545 Bevel Gear
- 549 Socket head bolt
- 555 Shaft
- 556 Case
- 557 Bushing
- 558 Washer
- 560 Worm geared motor
- 561 Hexagon bolt
- 563 Washer
- 575 Pulse generator
- 577 Pulse sensor
- 578 Speed indicator
- 584 Teleindicator

GENERAL PARTS LIST



- 402 Housing
- 404 Hollow shaft, complete
- 406 Hollow shaft
- 407 Friction ring carrier
- 409 Friction ring
- 410 Socket head screw
- 411 Washer
- 413 Needle roller cup
- 414 Washer
- 415 Circlip
- 416 Looking cap
- 418 Circlip
- 419 Needle roller bearing
- 420 Distance ring
- 421 Shaft seal
- 424 Output shaft, plain
- 425 Output shaft, gearcut
- 430 Compression spring
- 432 Dowel pin
- 433 Spiral pin
- 434 Shim
- 435 Ball bearing
- 436 Supporting disc
- 437 Circlip
- 438 Circlip
- 439 Shaft seal
- 440 Key
- 441 Circlip
- 443 Locking screw
- 444 Seal
- 445 Flanged eye bolt
- 447 Intermediate housing
- 450 Set screw
- 451 Locking plug
- 452 Plate/intermediate flange
- 454 Socket head screw/Stud
- 455 Circlip
- 456 Adjusting spindle
- 460 Key
- 462 Handwheel
- 464 Washer
- 465 Hexagon nut
- 468 Scale
- 469 Rivet
- 472 Slide bar (NEMA)
- 474 Slide bar
- 477 Cam groove
- 478 Socket head screw
- 479 Set screw/Hexagon screw
- 481 Set screw
- 483 Spindle guide/ nut
- 484 Socket head screw
- 486 Indicator
- 487 Socket head screw
- 489 Driving disc
- 491 Supporting disc
- 492 V- ring
- 493 Set screw
- 494 Washer
- 495 Hexagon nut
- 498 Teleindicator
- 499 Servo motor

NOTES

NOTES

NOTES

NORD GEAR CORPORATION

Conditions of Sale

1. CONTRACT

Any contract between Nord Gear Corporation, hereinafter designated as Seller, and the Buyer is subject to the terms and conditions of sale hereinafter set forth. Any deviation from such terms and conditions must be specifically set forth in writing and consented to by Seller.

2. CONFIRMATION

An order shall be deemed accepted only when duly confirmed by Seller, at Nord Gear Corporation's home office in Waunakee, Wisconsin, and upon such confirmation the order shall become a contract binding upon the parties hereto, their successors and assigns.

3. PRICES

Prices shown are list prices and may be subject to applicable discounts. Unless otherwise agreed upon in writing, prices are FOB factory Waunakee, Wisconsin. Prices and discounts are subject to change without notice until order is accepted. Seller's prices do not include cost of any inspection permits required.

4. LIMITED WARRANTY

Seller warrants the goods sold hereunder to be free from defects in material and workmanship under normal use and service not arising from misuse, negligence, or accident, including but not limited to the use, installation, and transportation of the goods by the Buyer, its agents, servants, employees, or by carriers. Such obligations under this warranty are limited to remedying any deficiencies in the goods at Waunakee, Wisconsin, or at such place or places in the United States of America as may be designated by Seller. THIS WARRANTY SHALL PERTAIN TO ANY PART OR PARTS OF ANY GOODS TO WHICH BUYER OR ITS ASSIGNS HAS GIVEN WRITTEN NOTICE OF CLAIMED DEFECTS TO SELLER. NORD GEAR CORP. WARRANTS ITS PRODUCTS AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF 12 MONTHS FROM DATE OF INSTALLATION OR 18 MONTHS FROM DATE OF SHIPMENT WHICHEVER COMES FIRST ON ALL COMPONENTS, 36 MONTHS FROM DATE OF INVOICE OR 24 MONTHS FROM DATE OF INSTALLATION WHICHEVER COMES FIRST ON GEARS AND HOUSINGS ONLY. PARTS WHICH ARE SUBJECT TO OPERATIONAL WEAR AND TEAR, SUCH AS BELTS & TRACTION DISCS, ARE NOT COVERED BY THE LIMITED WARRANTY. Buyer shall be required to furnish Seller with details of such defects and this warranty shall be effective as to such goods which Seller's examination shall disclose to its satisfaction to have been defective and which at Seller's option shall promptly thereafter be returned to Seller or its nominees. EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE, SELLER HAS MADE NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE GOODS SOLD HEREUNDER, INCLUDING, BUT NOT LIMITED TO THEIR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. ANY DESCRIPTION OR MODEL OF THE GOODS IS FOR IDENTIFICATION OR ILLUSTRATIVE PURPOSES ONLY AND SHALL NOT BE DEEMED TO CREATE AN EXPRESS WARRANTY. THE REMEDIES OF THE BUYER SET FORTH IN THIS SECTION ARE EXCLUSIVE. In no event shall the Seller be liable to the Buyer or to any other person for any loss or damage, direct or indirect, arising out of or caused by the use or operation of the goods, or for the loss of profits, business, or good will, or for any incidental, special or consequential damages. Seller shall in no event be liable to any person or firm (including any assignee or Buyer) except Buyer and its successors. Unless specifically authorized by Seller in writing, Seller shall not become responsible for any repair work done by Buyer or any other party on any goods sold. Any costs of the return of such goods to Seller shall be borne by buyer. Goods sold but not manufactured by the Seller are being warranted as to defects in material and workmanship consistent with the limited warranty policy of the original manufacturer of the goods and if there is not such a limited warranty policy, the warranty shall be limited to the provision of the preceding paragraph of Article 4 herein. Standards for the operating characteristics of the gearboxes and the gearmotors are in conformity with Seller's tests.

5. SHORTAGE AND NONCONFORMITY

Any claim of shortage or that the goods do not conform with the specifications of the order or model must be made in writing within ten (10) days after delivery of the goods (as to which such claim is made) to Buyer or its nominees, but in no event shall the claim be later than within the time limit provided by the carrier or insurance company, otherwise such claim shall be deemed waived. The samples, measurements, dimensions and weights contained in the Seller's catalogs, sales manuals, photographs and drawings constitute only an approximate guide. The Seller reserves the right to make any change which the Seller, in its absolute discretion, considers necessary. While the goods will be delivered principally according to specifications or standards or quantities agreed upon, insignificant deviations or insignificant changes in construction are permissible. The same applies to partial deliveries. In the event that Buyer has a verified claim of shortage or nonconformity of the goods to the specifications of the order or the model, and if such claim has been submitted within the required time limit as set forth above, the Seller shall, at its own expense, make up for the shortage of the goods, or replace or repair the goods, as the case may be, but in no event shall Seller be or become liable to Buyer or to any other person or persons for any loss in damage, direct or indirect, arising out of or caused by such incidents or for the loss of profits, business or good will. Shipping dates are estimates unless parties expressly agree on time of the essence.

6. FORCE MAJEURE

The obligation of the Seller shall be modified or excused, as the case may be, for reasons of Acts of God, war, governmental law regulations, strikes or lock-outs, fire, breakdown of machinery, whether in its own business enterprise, or if for any other cause beyond Seller's control, the goods cannot be delivered or their delivery becomes delayed in whole or in part. In the above instances time for delivery shall be extended for the period of the delay caused, with the proviso, however, that either party may cancel in writing the undelivered portion of the order or contract if the delay exceeds six (6) months from the delivery date originally confirmed by Seller. In no event shall Seller become liable in the aforesaid instances to Buyer or any third party for consequential damages or business loss.

7. SHIPMENT AS UNIT

Each shipment by Seller shall be treated as a separate and distinct unit with respect, but only with respect to forwarding, terms of payment, and the making of claims by the Buyer: provided, however, that if the Buyer defaults in the payment of any obligation to Seller or any installments thereof, under any agreement between Buyer and Seller, or if Buyer refuses to accept any goods when tendered for delivery, the Seller may, on fifteen (15) days written notice to the Buyer, without prejudice to Seller's other lawful remedies, either defer further performance until the defaulted payments are made in full, or make future deliveries for cash in advance only, or treat the entire contract or contracts with Buyer as breached by the Buyer and pursue its remedies for breach.

8. BUYER'S REFUSAL OF DELIVERY

If Buyer refuses to accept delivery of any goods tendered for delivery, then Seller, without prejudice to Seller's other lawful remedies, may either store or cause such goods to be stored in a warehouse, for buyer's account and at Buyer's cost, risk and expense, or sell such goods (without notice) to any purchases at public or private sale, and hold the Buyer liable for any difference between (a) the contract price of the goods, and (b) the price at which goods are resold less the costs and expense of such resale including brokerage commissions, or restocking charges.

9. GOODS IN TRANSIT

If prior to delivery or while the goods are in transit, Buyer or Seller becomes bankrupt or insolvent, or any petition in bankruptcy or for the reorganization or for a state court receivership is filed against Buyer or Seller, as the case may be, then the other party hereto may forthwith terminate this contract by giving written notice of such termination. Such termination shall not affect any claim for damages available to the Buyer, provided that if Buyer is then indebted to Seller, the amount of any such damage claim shall be abated to the extent that the indebtedness of Buyer to Seller, as actually paid in money, is abated by any order of judgement entered or any plan adopted in any bankruptcy, reorganization, receivership, or similar proceeding. Such termination shall not prejudice the Seller's rights to any amounts then due under the contract. If Buyer becomes bankrupt or insolvent or any petition in bankruptcy or for reorganization or if a state court receivership is filed against Buyer, then, at its option Seller may take possession of any goods theretofore sold to Buyer, in connection with which the full purchase price has not been paid, analogous to the terms and provisions set forth in Paragraphs 11 and 12 hereinafter.

10. DELIVERY

(a) Unless otherwise agreed, delivery of the goods to any carrier shall constitute delivery to the Buyer, and thereafter the risk of loss or damage to the goods shall be upon the Buyer. (b) If the Buyer does not give delivery instructions to the Seller at least (10) days prior to the delivery date ex factory confirmed by the Seller, the Seller may deliver the goods to a carrier of its own choosing, at Buyer's cost and risk, or, at Seller's option, may store the goods on the pier or any warehouse, at Buyer's cost and risk. Any purchase price in such event becomes due and payable within ten (10) days of such storage.

11. PAYMENT OF PURCHASE PRICE

Time of payment is of the essence under the contract. Upon default in any of the terms of the contract, or failure to comply with any of the conditions thereof, or upon seizure of the property under execution or other legal process, or if the Buyer becomes bankrupt or insolvent, or any petition for reorganization or for a state court receivership is filed against Buyer, or if the Buyer makes any assignment for the benefit of its creditors or otherwise sells, encumbers or disposes of the goods, or if for any other reason the Seller should deem itself insecure, the full amount of the purchase price then remaining unpaid shall at once become due and payable at the option of the Seller.

12. BUYER'S DEFAULT

Upon the Buyer's default, the Seller may dispose of the merchandise in any manner that it deems fit and, if it desires to resell same, may do so at private or public sale, with or without notice, and with or without the property being at the place of sale, subject, however, to applicable laws. The Seller or its assigns shall have the right to bid at such sale and may become the purchaser of the property. The proceeds of the sale shall first be applied to the expenses incurred in retaking, repairing, storing and selling the goods, reasonable attorney's fees included, and then shall be applied to the payment of the balance due under the contract. Any surplus amount shall be paid to the Buyer. If a deficiency results after the resale, the Buyer agrees to pay such forthwith, together with reasonable attorney's fees, for the recovery of the goods incurred by the Seller. If upon the Buyer's default, the Seller elects not to resell any goods which it may repossess, then the cost of repossession, including reasonable attorney's fees, shall forthwith be due and payable from Buyer to Seller.

13. SECURITY INTEREST AND TITLE

In states and localities which are governed by the Uniform Commercial Code, this contract shall serve as security agreement, reserving in Seller a security interest until full payment of purchase price. The provisions of the Uniform Commercial Code regarding security interest shall have preference and apply if inconsistent with other terms of the conditions of sale. In states and localities where the Uniform Commercial Code does not apply, title to the goods shall remain in the Seller or its assigns until full payment of the purchase price. Buyer agrees to execute forthwith any and all documents in such a way and form as Seller may need for filing or recording the security interest under the Uniform Commercial Code with the proper registers or offices, or for filing or recording the conditional sales contract.

14. SALES AND USE TAX

Buyer agrees to bear and pay any sales or use tax in connection with the purchase herein, and to hold the Seller harmless from payment. At the option the Seller, Buyer shall give evidence of payment or of exemption certificate.

15. INSURANCE

The Buyer shall keep the goods insured against damage by fire, water or other casualty as required by Seller, with a company acceptable to Seller, with loss payable to Seller for the total purchase price until the Seller is fully paid. Seller, if it so elects, may place said insurance at Buyer's expense; Seller may cancel such insurance at any time and without notice and may receive the return premium, if any.

16. MODIFICATION BY SELLER

Any contract may be assigned or transferred by the Seller, or the time for the making of any payment due by Buyer may be extended by Seller without derogation of any of the rights of the Seller or its assigns. Waiver by any party of any default shall not be deemed a waiver of any subsequent default.

17. RETURNED GOODS

No goods will be accepted for return unless authorized in writing by Seller. In all cases, transportation and restocking charges will be borne by Buyer.

18. PACKING

The seller does not charge for standard packaging for domestic shipment. The Buyer will be charged, however, for export packaging or other special packing desired. Cost for cartage to ship or transfer express will be added to the invoice. No credit will be allowed if no packing is required.

19. EXPORT ORDER

Export orders are to be accompanied by a confirmed irrevocable Letter of Credit in Seller's favor, in United States currency, with an accredited United States bank, subject to Seller's draft, with shipping documents attached.

20. CANCELLATION

Placing orders on hold or cancellation of orders require Seller's written approval, and are subject to cancellation and/or restoring charges.

21. BUYER'S RESPONSIBILITY AS TO MAINTENANCE

Buyer shall use and shall require its employees and agents to use all safety devices and guards and shall maintain the same in proper working order. Buyer shall use and require its employees and agents to use safe operation procedures in operating the equipment and shall further obey and have its employees and agents obey safety instructions given by Seller. If Buyer fails to meet the obligations herein, Buyer agrees to indemnify and save Seller harmless from any liability or obligation with regard to any personal injuries or property damages directly or indirectly connected with the operation of the equipment. Buyer further agrees to notify Seller promptly and in any event not later than ten (10) days after notice or knowledge of any accident or malfunction involving Seller's equipment which has caused personal injury or property damages and to cooperate fully with Seller in investigating and determining the causes of such accident and malfunction. In the event that Buyer fails to give such notice to Seller or to cooperate with Seller, Buyer shall be obligated to indemnify and save Seller harmless from any such claims arising from such accident.

22. MISCELLANEOUS PROVISIONS

(a) If for any reason a provision of a contract is legally invalid, then in such event the rest of the contract shall remain in full force and affect, except that the parties shall try to replace such invalid provision closest to their original mutual intentions. (b) Any amendments to any contract or contracts require the consent in writing by both parties.

23. JURISDICTION

Any dispute arising under the contract may be brought before any court of proper jurisdiction within the United States.

24. NON ASSIGNMENT BY BUYER

Contract or contracts may not be assigned by the Buyer without prior written consent of the Seller.

25. APPLICABLE LAW

All contracts are governed by the applicable laws of the State of Wisconsin.

NORD GEAR LIMITED

Terms and Conditions of Sale

1. CONTRACT

Any contract between Nord Gear Limited, hereinafter designated as Seller, and the Buyer is subject to the terms and conditions of sale hereinafter set forth. Any deviation from such terms and conditions must be specifically set forth in writing and consented to by Seller.

2. CONFIRMATION

An order shall be deemed accepted only when duly confirmed by Seller, at Nord Gear Limited's home office in Brampton, Ontario, and upon such confirmation the order shall become a contract binding upon the parties hereto, their successors and assigns.

3. PRICES

Prices shown are list prices and may be subject to applicable discounts. Unless otherwise agreed upon in writing, prices are FOB factory Brampton, Ontario. Prices and discounts are subject to change without notice until order is accepted. Seller's prices do not include cost of any inspection permits required.

4. LIMITED WARRANTY

Seller warrants the goods sold hereunder to be free from defects in material and workmanship under normal use and service not arising from misuse, negligence, or accident, including but not limited to the use, installation, and transportation of the goods by the Buyer, its agents, servants, employees, or by carriers. Such obligations under this warranty are limited to remedying any deficiencies in the goods at Brampton, Ontario, or at such place or places in Canada as may be designated by Seller. This warranty shall pertain to any part or parts of any goods to which Buyer or its assigns has, within one year from date of original factory invoice, given written notice of claimed defects to Seller. Buyer shall be required to furnish Seller with details of such defects and this warranty shall be effective as to such goods which Seller's examination shall disclose to its satisfaction to have been defective and which at Seller's option shall promptly thereafter be returned to Seller or its nominees. EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE, SELLER HAS MADE NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE GOODS SOLD HEREUNDER, INCLUDING, BUT NOT LIMITED TO THEIR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. ANY DESCRIPTION OR MODEL OF THE GOODS IS FOR IDENTIFICATION OR ILLUSTRATIVE PURPOSES ONLY AND SHALL NOT BE DEEMED TO CREATE AN EXPRESS WARRANTY. THE REMEDIES OF THE BUYER SET FORTH IN THIS SECTION ARE EXCLUSIVE. In no event shall the Seller be liable to the Buyer or to any other person for any loss or damage, direct or indirect, arising out of or caused by the use or operation of the goods, or for the loss of profits, business, or good will, or for any incidental, special or consequential damages. Seller shall in no event be liable to any person or firm (including any assignee or Buyer) except Buyer and its successors. Unless specifically authorized by Seller in writing, Seller shall not become responsible for any repair work done by Buyer or any other party on any goods sold. Any costs of the return of such goods to Seller shall be borne by Buyer. Goods sold but not manufactured by the Seller are being warranted as to defects in material and workmanship consistent with the limited warranty policy of the original manufacturer of the goods and if there is not such a limited warranty policy, the warranty shall be limited to the provisions of the preceding paragraph of Article 4 herein. Standards for the operating characteristics of the gearboxes and the gearmotors are in conformity with Seller's test. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE THE SELLER DOES NOT ASSUME, NOR DOES IT AUTHORIZE ANY PERSON TO ASSUME, ON ITS BEHALF, ANY OTHER OBLIGATION OR LIABILITY.

5. SHORTAGE AND NONCONFORMITY

Any claim of shortage or that the goods do not conform with the specifications of the order or model must be made in writing within ten (10) days after delivery of the goods (as to which such claim is made) to Buyer or its nominees, but in no event shall the claim be later than within the time limit provided by the carrier or insurance company, otherwise such claim shall be deemed waived. The samples, measurements, dimensions and weights contained in the Seller's catalogs, sales manuals, photographs and drawings constitute only an approximate guide. The Seller reserves the right to make any changes which the Seller, in its absolute discretion, considers necessary. While the goods will be delivered principally according to specifications or standards or quantities agreed upon, insignificant deviations or insignificant changes in construction are permissible. The same applies to partial deliveries. In the event that Buyer has a verified claim of shortage or nonconformity of the goods to the specifications of the order or the model, and if such claim has been submitted within the required time limit as set forth above, the Seller shall, at its own expense, make up for the shortage of the goods, or replace or repair the goods, as the case may be, but in no event shall Seller be or become liable to Buyer or to any other person or persons for any loss in damage, direct or indirect, arising out of or caused by such incidents or for the loss of profits, business or good will. Shipping dates are estimates unless parties expressly agree on time of the essence.

6. FORCE MAJEURE

The obligation of the Seller shall be modified or excused, as the case may be, for reasons of Acts of God, war, governmental law regulations, strikes or lock-outs, fire, breakdown of machinery, whether in its own business enterprise, or if for any other cause beyond Seller's control, the goods cannot be delivered or their delivery becomes delayed in whole or in part. In the above instances time for delivery shall be extended for the period of the delay caused, with the proviso, however, that either party may cancel in writing the undelivered portion of the order or contract if the delay exceeds six (6) months from the delivery date originally confirmed by Seller. In no event shall Seller become liable in the aforesaid instances to Buyer or any third party for consequential damages or business loss.

7. SHIPMENT AS UNIT

Each shipment by Seller shall be treated as a separate and distinct unit with respect, but only with respect to forwarding, terms of payment, and the making of claims by the Buyer; provided, however, that if the Buyer defaults in the payment of any obligation to Seller or any installments thereof, under any agreement between Buyer and Seller, or if Buyer refuses to accept any goods when tendered for delivery, the Seller may, on fifteen (15) days' written notice to the Buyer, without prejudice to Seller's other lawful remedies, either defer further performance until the defaulted payments are made in full, or make future deliveries for cash in advance only, or treat the entire contract or contracts with Buyer as breached by the Buyer and pursue its remedies for breach.

8. BUYER'S REFUSAL OF DELIVERY

If Buyer refuses to accept delivery of any goods tendered for delivery, then Seller, without prejudice to Seller's other lawful remedies, may either store or cause such goods to be stored in a warehouse, for Buyer's account and at Buyer's cost, risk and expense, or sell such goods (without notice) to any purchaser at public or private sale, and hold Buyer liable for any difference between (a) the contract price of the goods, and (b) the price at which goods are resold less the costs and expense of such resale including brokerage commissions, or restocking charges.

9. GOODS IN TRANSIT

If prior to delivery or while the goods are in transit, Buyer or Seller becomes bankrupt or insolvent, or any petition in bankruptcy or for the reorganization or for appointment of a receiver is filed against Buyer or Seller, as the case may be, then the other party hereto may forthwith terminate this contract by giving written notice of such termination. Such termination shall not affect any claim for damages available to the Buyer; provided that if Buyer is then indebted to Seller, the amount of any such damage claim shall be abated to the extent that the indebtedness of Buyer to Seller, as actually paid in money, is abated by any order or judgment entered or any plan adopted in any bankruptcy, reorganization, receivership, or similar proceeding. Such termination shall not prejudice the Seller's rights to any amounts then due under the contract. If Buyer becomes bankrupt or insolvent or any petition in bankruptcy or for reorganization or if a state court receivership is filed against Buyer, then, at its option, Seller may take possession of any goods theretofore sold to Buyer, in connection with which the full purchase price has not been paid, analogous to the terms and provisions set forth in Paragraphs 11 and 12 hereinafter.

10. DELIVERY

(a) Unless otherwise agreed, delivery of the goods to any carrier shall constitute delivery to the Buyer, and thereafter the risk of loss or damage to the goods shall be upon the Buyer. (b) If the Buyer does not give delivery instructions to the Seller at least (10) days prior to the delivery date *ex factory confirmed* by the Seller, the Seller may deliver the goods to the carrier of its own choosing, at Buyer's cost and risk, or, at Seller's option, may store the goods on the pier or on any warehouse, at Buyer's cost and risk. Any purchase price in such event becomes due and payable within ten (10) days of such storage.

11. PAYMENT OF PURCHASE PRICE

Time of payment is of the essence under the contract. Upon default in any of the terms of the contract, or failure to comply with any of the conditions thereof, or upon seizure of the property under execution or other legal process, or if the Buyer becomes bankrupt or insolvent, or any petition for reorganization or for appointment of a receiver is filed against Buyer, or if the Buyer makes any assignment for the benefit of its creditors or otherwise sells, encumbers or disposes of the goods, or if for any other reason the Seller should deem itself insecure, the full amount of the purchase price then remaining unpaid shall at once become due and payable at the option of the Seller.

12. BUYER'S DEFAULT

Upon the Buyer's default, the Seller may dispose of the merchandise in any manner that it deems fit and, if it desires to resell same, may do so at private or public sale, with or without notice, and with or without the property being at the place of sale, subject, however, to applicable laws. The Seller or its assigns shall have the right to bid at such sale and may become the purchaser of the property. The proceeds of the sale shall first be applied to the expenses incurred in retaking, repairing, storing and selling the goods, reasonable solicitor's fees included, and then shall be applied to the payment of the balance due under the contract. Any surplus amount shall be paid to the Buyer. If a deficiency results after the resale, the Buyer agrees to pay such forthwith, together with reasonable solicitor's fees, for the recovery of the goods incurred by the Seller. If upon the Buyer's default, the Seller elects not to resell any goods which it may repossess, then the cost of repossession, including reasonable solicitor's fees, shall forthwith be due and payable from Buyer to Seller.

13. SECURITY INTEREST AND TITLE

In provinces which are governed by a Personal Property Security Act, this contract shall serve as Security Agreement, reserving in Seller a security interest until full payment of purchase price. The provisions of the Personal Property Security Act regarding security interest shall have preference and apply if inconsistent with other terms of the conditions of sale herein. In provinces where a Personal Property Security Act does not apply, title to the goods shall remain in the Seller or its assigns until full payment of the purchase price. Buyer agrees to execute forthwith any and all documents in such a way and form as Seller may need for filing or recording the security interest under a Personal Property Security Act with the proper registers or offices, or for filing or recording the Conditional Sales Contract herein.

14. SALES AND USE TAX

The Seller's prices do not include sales, use, excise or other taxes payable to any governmental authority in respect of the sale of Seller's goods. The Buyer shall pay, in addition to the Seller's price the amount of any such taxes or shall reimburse the Seller for the amount thereof that the Seller may be required to pay. At the option of the Seller, Buyer shall give evidence of payment or of exemption certificate.

15. INSURANCE

The Buyer shall keep the goods insured against damage by fire, water or other casualty as required by Seller, with a company acceptable to Seller, with loss payable to Seller for the total purchase price until the Seller is fully paid. Seller, if it so elects, may place said insurance at Buyer's expense; Seller may cancel such insurance at any time and without notice and may receive the return premium, if any.

16. MODIFICATION BY SELLER

Any contract may be assigned or transferred by the Seller, or the time for the making of any payment due by Buyer may be extended by Seller without derogation of any of the rights of the Seller or its assigns. Waiver by any party of any default shall not be deemed a waiver of any subsequent default.

17. RETURNED GOODS

No goods will be accepted for return unless authorized in writing by Seller. In all cases, transportation and restocking charges will be borne by Buyer.

18. PACKING

The Seller does not charge for standard packaging for domestic shipment. The Buyer will be charged, however, for export packaging or other special packaging desired. Cost for cartage to ship or transfer express will be added to the invoice. No credit will be allowed if no packing is required.

19. EXPORT ORDER

Export orders are to be accompanied by a confirmed irrevocable Letter of Credit in Seller's favor, in Canadian currency, with an accredited Canadian bank, subject to Seller's draft, with shipping documents attached.

20. CANCELLATION

Placing orders on hold or cancellation of orders require Seller's written approval, and are subject to cancellation and/or restocking charges.

21. BUYER'S RESPONSIBILITY AS TO MAINTENANCE

Buyer shall use and shall require its employees and agents to use all safety devices and guards and shall maintain the same in proper working order. Buyer shall use and require its employees and agents to use safe operating procedures in operating the equipment and shall further obey and have its employees and agents obey safety instructions given by Seller. If Buyer fails to meet the obligations herein, Buyer agrees to indemnify and save Seller harmless from any liability or obligation with regard to any personal injuries or property damages directly or indirectly connected with the operation of the equipment. Buyer further agrees to notify Seller promptly and in any event not later than ten (10) days after notice or knowledge of any accident or malfunction involving Seller's equipment which has caused personal injury or property damages and to cooperate fully with Seller in investigating and determining the causes of such accident and malfunction. In the event that Buyer fails to give such notice to Seller or to cooperate with Seller, Buyer shall be obligated to indemnify and save Seller harmless from any such claims arising from such accident.

22. MISCELLANEOUS PROVISIONS

(a) If for any reason a provision of a contract is legally invalid, then in such event the rest of the contract shall remain in full force and effect, except that the parties shall try to replace such invalid provision with a provision closest to their original mutual intentions. (b) Any amendments to any contract or contracts require the consent in writing by both parties.

23. NON ASSIGNMENT BY BUYER

Contract or contracts may not be assigned by the Buyer without prior written consent of the Seller.

24. APPLICABLE LAW

All contracts are governed by the applicable laws of Ontario.

25. This instrument sets forth the entire understanding and agreement of the parties hereto in respect of the subject matter hereof, and all prior undertakings between the parties hereto, together with all representations and obligations of such parties in respect of such subject matter, shall be superceded by and merged into this instrument.

26. The provisions of this agreement shall bind and enure to the benefit of the parties hereto and their respective heirs, executors, administrators, successors and (subject to any restrictions or assignment herein above set forth) assigns, as the case may be.

27. The parties acknowledge that they have requested this Contract and all notices or other documents relating thereto be drafted in the English language.

Les parties reconnaissent qu'ils ont requis que ce contrat et tous les avis ou autres documents qui s'y rapportent soient rédigés en langue anglaise.

"Terms and Conditions in French available upon request."

NOTES

The NORD Family of Products



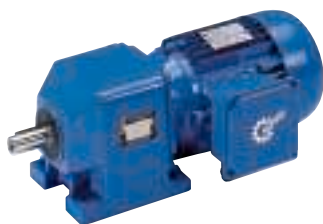
HELICAL IN-LINE

Foot or Flange Mount
1/6 to 200 hp
Torque up to 177,000 lb-in
Output speed – 0.1 to 960 rpm
Gear ratios – 1.82:1 to over 300,000:1
Efficiency 95%+



RIGHT ANGLE HELICAL-WORM

Foot, Flange or Shaft Mount
1/6 to 20 hp
Output torque up to 27,585 lb-in
Output speed 0.1 to 398 rpm
Gear ratios 4.40:1 to over 300,000:1



NORDBLOC® HELICAL IN-LINE

Foot or Flange Mount
1/6 to 50 hp
Torque up to 26,550 lb-in
Output speed – 4.8 to 900 rpm
Gear Ratios – 1.88:1 to over 370:1
Industry interchange



MINICASE® RIGHT ANGLE WORM

Foot, Flange or Shaft Mount
1/6 to 2 hp
Output torque up to 2,390 lb-in
Output speeds 3 to 324 rpm
Gear ratios 5.40:1 to 582:1



PARALLEL HELICAL CLINCHER™

Shaft, Flange or Foot Mount
1/6 to 200 hp
Output torque up to 531,000 lb-in
Output speeds – 0.1 to 410 rpm
Gear ratios 4.26:1 to over 300,000:1
Efficiency 95%+



MOTORS AND BRAKEMOTORS

1/6 to 200 hp
Standard and High Efficiency
230/460V – 60Hz
575V – 60Hz
400V – 50Hz
Others Available



RIGHT ANGLE HELICAL-BEVEL

Foot, Flange or Shaft Mount
1/6 to 200 hp
Output torque up to 230,100 lb-in
Output speed – 0.1 to 218 rpm
Gear ratios 8.04:1 to over 300,000:1
Efficiency 95%+



NORDAC® VECTOR MC

1/3 to 3 hp
230V – 50/60Hz
380/460V – 50/60Hz



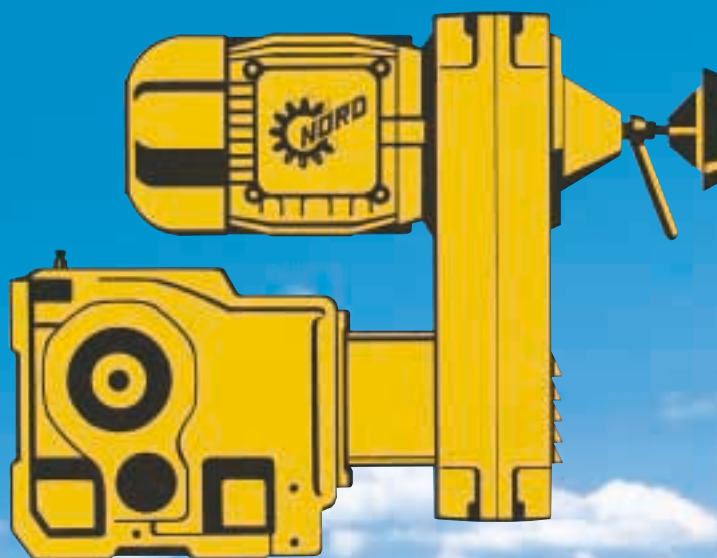
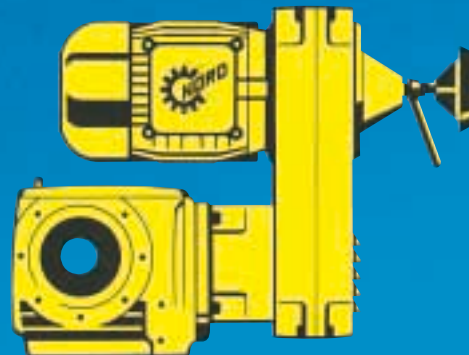
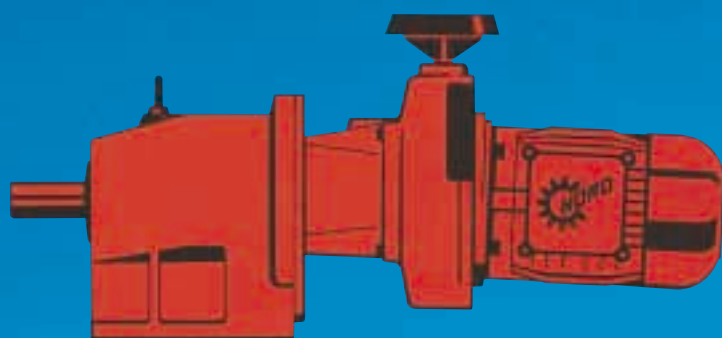
RIGHT ANGLE HELICAL-BEVEL 2-STAGE

Foot, Flange or Shaft Mount
1/6 to 7.5 hp
Output torque up to 6950 lb-in
Output speed – 24 to 360 rpm
Gear ratios 4.1:1 to 72:1
Efficiency 95%+



NORDAC® VECTOR

2 to 200 hp
380/460V – 50/60Hz



NORD Gear Corporation

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